

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) ●		RATING DX-C9		PAGE OF PAGES 1 58		
2. CONTRACT (Proc. Inst. Ident.) NO. HQ0006-98-C-0003		3. EFFECTIVE DATE See Block 20C		4. REQUISITION/PURCHASE REQUEST/PROJECT NO. 5012/JO17				
5. ISSUED BY Department of Defense Ballistic Missile Defense Organization 1725 Jefferson Davis Highway, Suite 809 Arlington, VA 22202 ATTN: Mr. Alex Austin		CODE HQ0006 (703) 604-4288		6. ADMINISTERED BY (If other than Item 6) DCMC Santa Ana (DCMDW-GAORS) P.O. Box C-12700 Santa Ana, CA				
7. NAME AND ADDRESS OF CONTRACTOR (No. street, county, state and ZIP Code) BOEING NORTH AMERICAN, Inc., A Wholly Owned Subsidiary of The Boeing Company Reusable Space Systems P.O. Box 7009 12214 Lakewood Blvd. Downey, CA 90241-7009				8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)				
				9. DISCOUNT FOR PROMPT PAYMENT				
				10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN:		ITEM See Section G-5		
CODE 03953		FACILITY CODE						
11. SHIP TO/MARK FOR See Section E-2		CODE		12. PAYMENT WILL BE MADE BY DFAS - Columbus Center DFAS-CO/ Santa Ana Division P.O. Box 182381 Columbus, OH 43218-2381		CODE SC1006		
13. AUTHORITY FOR USING OTHER FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()				14. ACCOUNTING AND APPROPRIATION DATA See Section G-9				
15A. ITEM NO.		15B. SUPPLIES/SERVICES		15C. QUANTITY		15D. UNIT		
0001		National Missile Defense System Development		1		LOT		
0002		Data and Reports for CLIN 0001		1		LOT		
						15E. UNIT PRICE		
						N/A		
						N/A		
						15F. AMOUNT		
						\$ 1,649,495,421		
						\$ 2,177,499,476		
						\$ 2,181,263,063		
						(P00069)		
15G. TOTAL AMOUNT OF CONTRACT ●						\$ 1,649,495,421		
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<input checked="" type="checkbox"/> B	SUPPLIES OR SERVICES AND PRICE/COST			8	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
<input checked="" type="checkbox"/> C	DESCRIPTION/SPECS./WORK STATEMENT			4	<input checked="" type="checkbox"/> J	LIST OF ATTACHMENTS		
<input checked="" type="checkbox"/> D	PACKAGING AND MARKING			1	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE								
17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 3 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)				18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.				
19A. NAME AND TITLE OF SIGNER (Type or print) DENNIS A. LAXTON DIRECTOR, CONTRACTS AND PRICING				20A. NAME OF CONTRACTING OFFICER A.L. AUSTIN				
19B. NAME OF CONTRACTOR <u>/S/</u> (Signature of person authorized to sign)		19C. DATE SIGNED 3-18-98		20B. UNITED STATES OF AMERICA BY <u>/S/</u> (Signature of Contracting Officer)		20C. DATE SIGNED 4/30/98		

PART I - THE SCHEDULE**SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS****B-1 LINE ITEM DESCRIPTION**

In accordance with this contract, the Contractor shall furnish all materials, labor, equipment and facilities, except as specified herein to be furnished by the Government, and shall do all that which is necessary or incidental to the satisfactory and timely performance of the following:

a. BASIC CONTRACT**Contract****Line****Item No.****(CLIN)****SUPPLIES/SERVICES****QTY UNIT****AMOUNT****0001 NMD System Development.**

1 LOT

The Contractor shall develop a National Missile Defense (NMD) System comprising the system elements including interceptors, sensors, and command and control functions. The NMD System shall be developed per the Statement of Work entitled "NMD Lead System Integrator (LSI) SOW, Attachment 1, paras. 3.1.0 - 3.8.6 by integrating system elements to function as a cohesive system to perform as required by the NMD Capability 1, System Requirements Document (SRD) and be evolvable to NMD Capability 2 per Section H-1.

000101 NMD System (PMT, SEIT, T&E, D&S)

(paras. 3.1.0 - 3.1.4, 3.2.0 - 3.2.11, 3.7.0 - 3.7.6, and 3.8.0 - 3.8.6)

000102 WS-Weapon System(KV/Interceptor)

(paras. 3.3.0 - 3.3.6)

000103 UEWR-Upgraded Early Warning Radar

(paras. 3.4.0 - 3.4.6)

000104 XBR-X-Band Radars

(paras. 3.5.0 - 3.5.5)

000105 BMC3-Battle Management & C3

(paras. 3.6.0 - 3.6.9)

Estimated Cost:

\$1,995,280,443

Maximum Available Award Fee:\$189,108,457*

Estimated Cost Plus Maximum Available Award Fee:

\$2,184,388,900

*Includes amount of \$18,862,315 award fee earned in the first evaluation period, \$33,184,877 award fee earned in the second evaluation period, \$31,830,184 award fee earned in the third evaluation period, \$20,959,340 award fee earned in the fourth evaluation period, \$84,271,741 award fee earned in the fifth period.

CLIN	SUPPLIES/SERVICES	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
0002	Data and reports for CLIN 0001 and SubCLINs 000101-000105 in accordance with the Contract Data Requirements List(CDRL), Exhibit A.	1	LOT	Not Separately Priced (NSP)
0003	NMD Special Studies and Analyses Technical Instructions for Special Studies and Analyses shall be issued pursuant to Special Contract Requirement H-38, Task Instructions	1	LOT	\$3,763,587
0004	Data and reports for CLIN 0003 in accordance with the Contract Data Requirements List (CDRL), Exhibit H and individual task instructions.	1	LOT	Not Separately Priced (NSP)
	Estimated Cost for CLIN 0003:			\$3,272,684
	Maximum Available Award Fee:			\$ 490,903 ¹
	Estimated Cost Plus Maximum Available Award Fee for CLIN 0003:			\$3,763,587

Note 1: Award Fee for the total estimated CLIN 0003 is included here. The Award Fee available is 15%. Award Fee will be added to the Fee Pool by Award Fee Periods based on Task Instructions issued during each period per Section H, Special Contract Requirements, H-38, Task Instructions. Includes amount of \$98,967 award fee earned in the fourth evaluation period, and \$34,275 award fee earned in the fifth evaluation period.

b. CONTINUED DEVELOPMENT OPTIONS

The Government may exercise options for the Continued NMD System Development as set forth below. The Contracting Officer may exercise the Option CLINs below by issuance of a modification exercising such right in accordance with Special Contract Requirement H-2.

CLIN	SUPPLIES/SERVICES	<u>QTY</u> <u>UNIT</u>	<u>AMOUNT</u>
0101	Option for Continuing Development #1 (Capability 1 Upgrade 1 - C1U1) of portions of the system developed under CLIN 0001, in accordance with the Statement of Work (SOW) entitled "NMD Lead System Integrator SOW, Attachment 1, paras. 4.1.0 - 4.8.6 as required by the NMD SRD per Section H-1	1 LOT	
010101	NMD System (SEIT only) <i>(See Common CLIN 0131 for PMT, T&E, D&S & SEIT tasks (in CWBS 2.5-2.9) during this period)</i> (paras. 4.2.0 - 4.2.4 and 4.2.10 - 4.2.11) (\$7,631,532)		
010102	WS-Weapon System (KV/Interceptor) (paras. 4.3.0 - 4.3.6) (\$23,058,222)		
010103	UEWR -Upgraded Early Warning Radar (paras. 4.4.0 - 4.4.6) (\$4,986,383)		
010104	XBR -X-Band Radars (paras. 4.5.0 - 4.5.4) (\$24,019,406)		
010105	BMC3 -Battle Management & C3 (paras. 4.6.0 - 4.6.9) (\$28,032,788)		
	Estimated Cost:		\$76,295,194
	Maximum Available Award Fee:		\$11,433,137
	Estimated Cost Plus Maximum Available Award Fee:		\$87,728,331
0102	Deployment Option Schedule Protection (DOSP) to support the deployment of C1U1 upgrades developed under CLIN 0101	1 LOT	
010205	BMC3 -Battle Management & C3 (\$2,895,792)		

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
	Estimated Cost:			\$2,518,080
	Maximum Available Award Fee:			\$ 377,712
	Estimated Cost Plus Maximum Available Award Fee:			\$2,895,792
0103	Data and reports for CLINs 0101 and 0102 in accordance with the CDRL, Exhibit B .	1	LOT	NSP
0111	Option for Continuing Development #2 (Capability 1 Upgrade 2 - C1U2) of portions of the system developed under CLIN 0001, in accordance with the Statement of Work (SOW) entitled "NMD Lead System Integrator SOW, dated 18 MAR 1998", Attachment 1, paras. 5.1.0 - 5.8.6.as required by the NMD Capability 1 SRD per Section H-1 (or as contemplated by NMD Capability 2).	1	LOT	
011101	NMD System (SEIT & D&S) (<i>See Common CLIN 0131 for PMT, T&E & SEIT tasks (in CWBS 2.5-2.9) during this period</i>) (paras. 5.2.0 - 5.2.4, 5.2.10 - 5.2.11, & 5.8.0 - 5.8.6) (\$18,260,444)			
011102	WS-Weapon System (KV/Interceptor) (paras. 5.3.0 - 5.3.5) (\$116,446,189)			
011103	UEWR -Upgraded Early Warning Radar (paras. 5.4.0 - 5.4.5) (\$3,857,010)			
011104	XBR -X-Band Radars (paras. 5.5.0 - 5.5.4) (\$57,500,000)			
011105	BMC3 -Battle Management & C3 (paras. 5.6.0 - 5.6.9) (\$12,147,495)			
	Estimated Cost:			\$181,071,144
	Maximum Available Award Fee:			\$ 27,139,994
	Estimated Cost Plus Maximum Available Award Fee:			\$208,211,138

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
0112	Deployment Option Schedule Protection (DOSP) to support the deployment of C1U2 upgrades developed under CLIN 0111 and SOW para. 5.9.0	1	LOT	
011201	NMD System (PMT, SEIT, T&E, D&S)			N/A
011202	WS-Weapon System (KV/Interceptor) (\$N/A)			
011203	UEWR -Upgraded Early Warning Radar			N/A
011204	XBR -X-Band Radars			N/A
011205	BMC3 -Battle Management & C3 (\$2,229,058)			
	Estimated Cost:			\$ 1,938,311
	Maximum Available Award Fee:			\$ 290,747
	Estimated Cost Plus Maximum Available Award Fee:			\$ 2,229,058
0113	Data and reports for CLINs 0111 and 0112 in accordance with the CDRL, Exhibit D .	1	LOT	NSP
0121	Option for Continuing Development #3 of portions of the system developed under CLIN 0001, in accordance with the Statement of Work (SOW) entitled "NMD Lead System Integrator SOW, dated 18 MAR 1998", Attachment 1, paras. 6.1.0 - 6.8.6 and 6.9.0 as required by the NMD Capability 2 SRD per Section H-1.	1	LOT	
012101	NMD System (SEIT, T&E, D&S) (<i>See Common CLIN 0131 for PMT & SEIT tasks (in CWBS 2.5-2.9) during this period</i>) (paras. 6.2.0 - 6.2.4, 6.2.10 - 6.2.11 & 6.7.0 - 6.7.6, 6.8.0 - 6.8.6) (\$197,217,820)			
012102	WS-Weapon System (KV/Interceptor) (paras. 6.3.0 - 6.3.6) (\$261,632,239)			
012103	UEWR -Upgraded Early Warning Radar (paras. 6.4.0 - 6.4.5) (\$3,371,817)			
012104	XBR -X-Band Radars (paras. 6.5.0 - 6.5.5) (\$240,350,000)			

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
012105	BMC3 -Battle Management & C3 (paras. 6.6.0 - 6.6.9) (\$72,738,656)			
	Estimated Cost:			\$674,245,323
	Maximum Available Award Fee:			\$101,065,209
	Estimated Cost Plus Maximum Available Award Fee:			\$775,310,532
0122	Deployment Option Schedule Protection #3 in accordance with SOW para. 10.1.0 - 10.8.6	1	LOT	
012201	NMD System (SEIT, T&E, D&S) (paras. 10.1.0, 10.2.0 - 10.2.11 & 10.7.0 - 10.7.6, 10.8.0 - 10.8.6) (\$192,905,596)			
012202	WS -Weapon System(KV/Interceptor) (paras. 10.3.0 - 10.3.6) (\$260,601,364)			
012203	UEWR -Upgraded Early Warning Radar (\$N/A)			
012204	XBR -X-Band Radars (paras. 10.5.0 - 10.5.5) (\$19,831,729)			
012205	BMC3 -Battle Management & C3 (paras. 10.6.0 - 10.6.9) (\$38,422,494)			
	Estimated Cost:			\$445,084,743
	Maximum Available Award Fee:			\$ 66,676,440
	Estimated Cost Plus Maximum Available Award Fee:			\$511,761,183
0123	Data and reports for CLINs 0121 and 0122 in accordance with the CDRL, Exhibit E .	1	LOT	N/A
0131	Common CLIN in accordance with the Statement of 7.1.0 - 7.8.6 per Section H-1	1	LOT	
013101	NMD System (PMT, SEIT, T&E, D&S) (paras. 7.1.0 - 7.2.11, 7.7.0 - 7.7.6 & 7.8.0 - 7.8.6) (\$332,796,806)			
013102	WS -Weapon System(KV/Interceptor) (paras. 7.3.0 - 7.3.6) (\$186,231,076)			

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
013103	UEWR -Upgraded Early Warning Radar (paras. 7.4.1 - 7.4.2 only)(<i>paras. 7.4.3 - 7.4.6 are Reserved</i>) (\$2,169,603)			
013104	XBR -X-Band Radars (<i>paras. 7.5.0 - 7.5.9 are Reserved</i>)			N/A
013105	BMC3 -Battle Management & C3 (paras. 7.6.0 - 7.6.9) (\$126,202,317)			
	Estimated Cost:			\$563,028,809
	Maximum Available Award Fee:			\$ 84,370,993
	Estimated Cost Plus Maximum Available Award Fee:			\$647,399,802
0132	Data and reports for CLINs 0131 in accordance with the CDRL, Exhibit G.	1	LOT	NSP

c. DEPLOYMENT OPTION

The Government may exercise this option for the deployment of the NMD system as set forth below. The Contracting Officer may exercise the Option CLINs below by issuance of a modification exercising such right in accordance with Special Contract Requirement H-2.

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
0201	Option to deploy the NMD system developed under CLIN 0001 in accordance with the Statement of Work (SOW) entitled "NMD Lead System Integrator SOW, Attachment 1, paras. 8.1.0 - 8.8.6 and Section H-2.	1	LOT	
020101	NMD System (SEIT, T&E, D&S) <i>(See Common CLIN 0131 for all PMT tasks & SEIT tasks in CWBS 2.5 & 2.9 during this period)</i> (paras. 8.2.0 - 8.2.4, 8.2.6 - 8.2.8, 8.2.10 - 8.2.11 & 8.7.0 - 8.8.6) (\$167,017,316)			
020102	WS - Weapon System(KV/Interceptor) (paras. 8.3.0 - 8.3.6) (\$587,289,545)			
020103	UEWR - Upgraded Early Warning Radars (paras. 8.4.0 - 8.4.6) (\$76,399,141)			
020104	XBR - X-Band Radars (paras. 8.5.0 - 8.5.4) (\$223,860,120)	1	LOT	
020105	BMC3 - Battle Management and C3 (paras. 8.6.0 - 8.6.9) (\$110,255,546)	1	LOT	
Estimated Cost:				\$1,012,966,480
Maximum Available Award Fee:				\$ 151,855,188
Estimated Cost Plus Maximum Available Award Fee:				\$1,164,821,668

<u>CLIN</u>	<u>SUPPLIES/SERVICES</u>	<u>QTY</u>	<u>UNIT</u>	<u>AMOUNT</u>
0202	Data and reports for CLIN 0201 in accordance with the CDRL, Exhibit C.	1	LOT	NSP
0203	Option for Sustainment of the NMD System deployed under Item 0201. (paras. 9.8.0 - 9.8.6 only)	1	LOT	
	Estimated Cost:			\$127,056,045
	Maximum Available Award Fee:			\$ 19,055,743
	Estimated Cost Plus Maximum Available Award Fee:			\$146,111,788
0204	Data and reports for CLIN 0203 in accordance with the CDRL, Exhibit F.	1	LOT	NSP

B-2 ESTIMATED COST AND FEE

The total estimated cost and award fee of this contract, including all options that may be exercised by the Government, are:

Estimated Cost:	\$5,082,757,256	
Maximum Available Award Fee:	<u>\$651,864,523</u>	
Estimated Cost Plus Maximum Available Award Fee:	\$5,734,621,779	

B-3 CONTRACT TYPE

This is a Cost-Plus-Award-Fee completion type contract with options as specified in paragraph B-1.

B-4 PAYMENT OF AWARD FEE

Payment of the Award Fee will be made in accordance with provision H-23, "Award Fee". Award Fee for CLIN 0003 will be added to the Fee Pool by Award Fee Periods based on Task Instructions issued during each period per Section H, Special Contract Requirements H-38, Task Instructions.

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK**C-1 SCOPE OF WORK**

The contractor shall perform the work specified in Attachment 1, the National Missile Defense (NMD) Lead System Integrator (LSI) Statement of Work (SOW).

a. BASIC CONTRACT

Contract Line Item No. <u>(CLIN)</u>	DESCRIPTION AND DESIGNATION OF IPT EFFORT <u>FOR NOTED SUBCLINS</u>	<u>SOW PARAGRAPHS</u>
0001	NMD System Development - Basic	3.1.0 - 3.8.6
000101	NMD System (PMT, SEIT, T&E, D&S)	3.1.0 - 3.1.4, 3.2.0 - 3.2.11, 3.7.0 - 3.7.6, 3.8.0 - 3.8.6
000102	WS-Weapon System(KV/Interceptor)	3.3.0 - 3.3.6
000103	UEWR-Upgraded Early Warning Radar	3.4.0 - 3.4.6
000104	XBR-X-Band Radars	3.5.0 - 3.5.5
000105	BMC3-Battle Management & C3	3.6.0 - 3.6.9
0002	Data and reports for CLIN 0001 and SubCLINs 000101-000105 in accordance with the Contract Data Requirements List(CDRL), Exhibit A.	
0003	NMD Special Studies and Analyses (See Special Contract Requirement, H-38 Task Instructions)	3.2.12
0004	Data and reports for CLIN 0003 in accordance with the Contract Data Requirements List (CDRL), Exhibit H and individual task instructions.	

b. CONTINUED DEVELOPMENT OPTIONS

<u>CLIN</u>	<u>DESCRIPTION</u>	<u>SOW PARAGRAPHS</u>
0101	Option for Continuing Development #1 (Capability 1 Upgrade 1 - C1U1) of portions of the system developed under CLIN 0001	4.1.0 - 4.8.0
010101	NMD System (SEIT only) (See Common CLIN 0131 for PMT, T&E, D&S & SEIT tasks (in CWBS 2.5-2.9) during this period)	4.2.0 - 4.2.4, and 4.2.10 - 4.2.11
010102	WS-Weapon System(KV/Interceptor)	4.3.0 - 4.3.6

<u>CLIN</u>	<u>DESCRIPTION</u>	<u>SOW PARAGRAPHS</u>
010103	UEWR-Upgraded Early Warning Radar	4.4.0 - 4.4.6
010104	XBR-X-Band Radars	4.5.0 - 4.5.5
010105	BMC3-Battle Management & C3	4.6.0 - 4.6.9
0102	Deployment Option Schedule Protection (DOSP)#1 for C1U1 to support the deployment of upgrades developed under CLIN 0101	4.9.0
010201	NMD System	Reserved
010202	WS-Weapon System(KV/Interceptor)	Reserved
010203	UEWR-Upgraded Early Warning Radar	Reserved
010204	XBR-X-Band Radars	Reserved
010205	BMC3-Battle Management & C3	4.9.0
0103	Data and reports for CLINs 0101 and 0102 in accordance with the CDRL, Exhibit B.	
0111	Option for Continuing Development #2 (Capability 1 Upgrade 2 - C1U2) of portions of the system developed under CLIN 0001	5.1.0 - 5.8.6
011101	NMD System (SEIT & D&S) <i>(See Common CLIN 0131 for PMT, T&E & SEIT tasks (in CWBS 2.5-2.9) during this period)</i>	5.2.0 - 5.2.4, 5.2.10 - 5.2.11, and 5.8.0 - 5.8.6
011102	WS-Weapon System(KV/Interceptor)	5.3.0 - 5.3.6
011103	UEWR-Upgraded Early Warning Radar	5.4.0 - 5.4.6
011104	XBR-X-Band Radars	5.5.0 - 5.5.4
011105	BMC3-Battle Management & C3	5.6.0 - 5.6.9
0112	Deployment Option Schedule Protection (DOSP)#2 to support the deployment of C1U2 upgrades developed under CLIN 0111	5.9.0
011201	NMD System (PMT, SEIT, T&E, D&S)	Reserved
011202	WS-Weapon System(KV/Interceptor)	5.9.0
011203	UEWR-Upgraded Early Warning Radar	Reserved
011204	XBR-X-Band Radars	Reserved

<u>CLIN</u>	<u>DESCRIPTION</u>	<u>SOW PARAGRAPHS</u>
011205	BMC3-Battle Management & C3	5.9.0
0113	Data and reports for CLINs 0111 and 0112 in accordance with the CDRL, Exhibit D.	
0121	Option for Continuing Development #3 of portions of the system developed under CLIN 0001	6.1.0 - 6.8.6
012101	NMD System (SEIT, T&E, D&S) (<i>See Common CLIN 0131 for PMT & SEIT tasks (in CWBS 2.5-2.9) during this period</i>)	6.2.0 - 6.2.4, 6.2.10 - 6.2.11, and 6.7.0 - 6.7.6, 6.8.0 - 6.8.6
012102	WS-Weapon System(KV/Interceptor)	6.3.0 - 6.3.6
012103	UEWR-Upgraded Early Warning Radar	6.4.0 - 6.4.5
012104	XBR-X-Band Radars	6.5.0 - 6.5.5
012105	BMC3-Battle Management & C3	6.6.0 - 6.6.9
0122	Deployment Option Schedule Protection (DOSP) #3 to support the deployment of C1 upgrades developed under CLIN 0121	10.1.0 - 10.8.6
012201	NMD System (SEIT, T&E, D&S)	10.2.0, 10.2.11, 10.7.0, 10.7.6, 10.8.0, 10.8.6
012202	WS-Weapon System(KV/Interceptor)	10.3.0 - 10.3.6
012203	UEWR-Upgraded Early Warning Radar	10.4.0
012204	XBR-X-Band Radars	10.5.0 - 10.5.5
012205	BMC3-Battle Management & C3	10.6.0 - 10.6.9
0123	Data and reports for CLINs 0121 and 0122 in accordance with the CDRL, Exhibit E.	
0131	COMMON CLIN	7.1.0 - 7.8.6
013101	NMD System (PMT, SEIT, T&E, D&S)	7.1.0 - 7.2.11, 7.7.0 - 7.7.6, 7.8.0 - 7.8.6
013102	WS-Weapon System(KV/Interceptor)	7.3.0 - 7.3.6
013103	UEWR-Upgraded Early Warning Radar (<i>paras. 7.4.3 - 7.4.6 are Reserved</i>)	7.4.0 - 7.4.6 only
013104	XBR-X-Band Radars (<i>paras. 7.5.0 - 7.5.5 are</i>	7.5.1, 7.5.4

<u>CLIN</u>	<u>DESCRIPTION</u>	<u>SOW PARAGRAPHS</u>
	<i>Reserved except 7.5.1 and 7.5.4)</i>	
013105	BMC3-Battle Management & C3	7.6.0 - 7.6.9
0132	Data and reports for CLINs 0131 in accordance with the CDRL, Exhibit G.	

c. DEPLOYMENT OPTION

<u>CLIN</u>	<u>DESCRIPTION</u>	<u>SOW PARAGRAPHS</u>
0201	Option to Deploy the NMD System developed under CLIN 0001	8.1.0 - 8.8.6
020101	NMD System (SEIT, T&E, D&S) <i>(See Common CLIN 0131 for all PMT tasks & SEIT tasks in CWBS 2.5& 2.9 during this period)</i>	8.2.0 - 8.2.4, 8.2.6 - 8.2.8, 8.2.10 - 8.2.11 & 8.7.0 - 8.8.6
020102	WS - Weapon System(KV/Interceptor)	8.3.0 - 8.3.6
020103	UEWR - Upgraded Early Warning Radars	8.4.0 - 8.4.6
020104	XBR - X-Band Radars	8.5.0 - 8.5.5
020105	BMC3 - Battle Management and C3	8.6.0 - 8.6.9
0202	Data and reports for CLIN 0201 in accordance with the CDRL, Exhibit C.	
0203	Option for Sustainment of the NMD System deployed under Item 0201. <i>(There are no SubCLINs planned for this period - There is only one WBS).</i>	9.8.0 - 9.8.6 only
0204	Data and reports for CLIN 0203 in accordance with the CDRL, Exhibit F.	

SECTION D - PACKAGING AND MARKING

D-1 REPORTS AND OTHER DELIVERABLES

- a. The Contractor shall submit all reports and other deliverables in accordance with the delivery schedule set forth in Section F and the attached Contract Data Requirements Lists.
- b. Reports delivered by the contractor in the performance of the contract shall be considered ‘Technical Data,’ as defined in the Defense FAR Supplement (DFARS) 252.227-7013, ‘Rights in Technical Data – Noncommercial Items.’
- c. Bulky reports shall be mailed by other than first-class mail unless the urgency of submission requires use of first-class mail. In this situation, one copy shall be mailed first-class and the remaining copies forwarded by less than first-class.
- d. The following information shall be provided with all reports. However, if the report incorporates a Ballistic Missile Defense Organization (BMDO) logo or letterhead, this information will be provided on a severable cover sheet and not on the same sheet of paper as the BMDO logo or letterhead.

CONTRACT NUMBER	NAME OF CONTRACTOR
CONTRACT EXPIRATION DATE AND TOTAL DOLLAR VALUE	CONTRACTOR’S PROJECT DIRECTOR AND PHONE NUMBER
SHORT TITLE OF CONTRACT WORK	GOVERNMENT SPONSOR

- e. All reports generated under this contract will contain the following disclaimer statement of the cover page:

“The views, opinions, and findings contained in this report are those of the author(s) and should not be construed an official Department of Defense position, policy, or decision, unless so designated by other official documentation.”
- f. Except as provided by the Contract Data Requirements Lists, contract Exhibits identified in Section J, and the Contract Security Classification Specification, DD Form 254, Attachment 4, the distribution of any contract report in any stage of development or completion is prohibited without the approval of the Contracting Officer.

D-2 HARDWARE, SOFTWARE, GOVERNMENT PROPERTY, AND END ITEMS

For any hardware, software, Government property, and end items delivered under this contract or shipped to the Government, use best commercial practices in packing the items to ensure they are adequately protected during shipment and handling.

SECTION E - INSPECTION AND ACCEPTANCE**E-1 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://farsite.hill.af.mil/>.

a. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
52.246-3	Inspection of Supplies - Cost Reimbursement (Applicable to Items 0201-0204)	APR 1984
52.246-8	Inspection of Research & Development - Cost Reimbursement (Applicable to All Other Items)	APR 1984

**b. DEPARTMENT OF DEFENSE FEDERAL ACQUISITION
REGULATION SUPPLEMENT (48 CFR CHAPTER 2)**

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
252-246-7000	Material Inspection and Receiving Report (DD 250s apply at the CLIN level and are not applicable to SubCLINs.)	DEC 1991

E-2 INSPECTION AND ACCEPTANCE

a. The Government may inspect components and Elements of the NMD System developed under this contract at origin, or at destination, or both. Final inspection and acceptance of the work called for herein shall be accomplished at the CLIN level only and shall be performed by BMDO, Code JN, or as delegated by the Contracting Officer.

b. Final acceptance of the deployed NMD System (Option, CLIN 0201 and 0203) shall be at destination. Inspection of the NMD System to be deployed shall be made as work progresses by representatives of the NMD Joint Program Office.

c. Acceptance of the deployed NMD System shall be at the System level by the NMD Joint Program Manager. The basis for acceptance of the NMD System shall be the LSI Contractor's qualification of the NMD System, i.e., meeting the requirements of sections 3.2 through 3.6, as evidenced by satisfactory completion of Section 4 (e.g., tests, demonstrations, analysis), of the NMD System Requirements Document. Acceptance shall include verification of equipment design, verification that applicable quantities are on hand or installed as appropriate, and supportability is in-place.

d. The Government shall have the right to observe any and all Contractor tests and demonstrations (e.g., Element level tests) building up to NMD System acceptance.

F-1 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

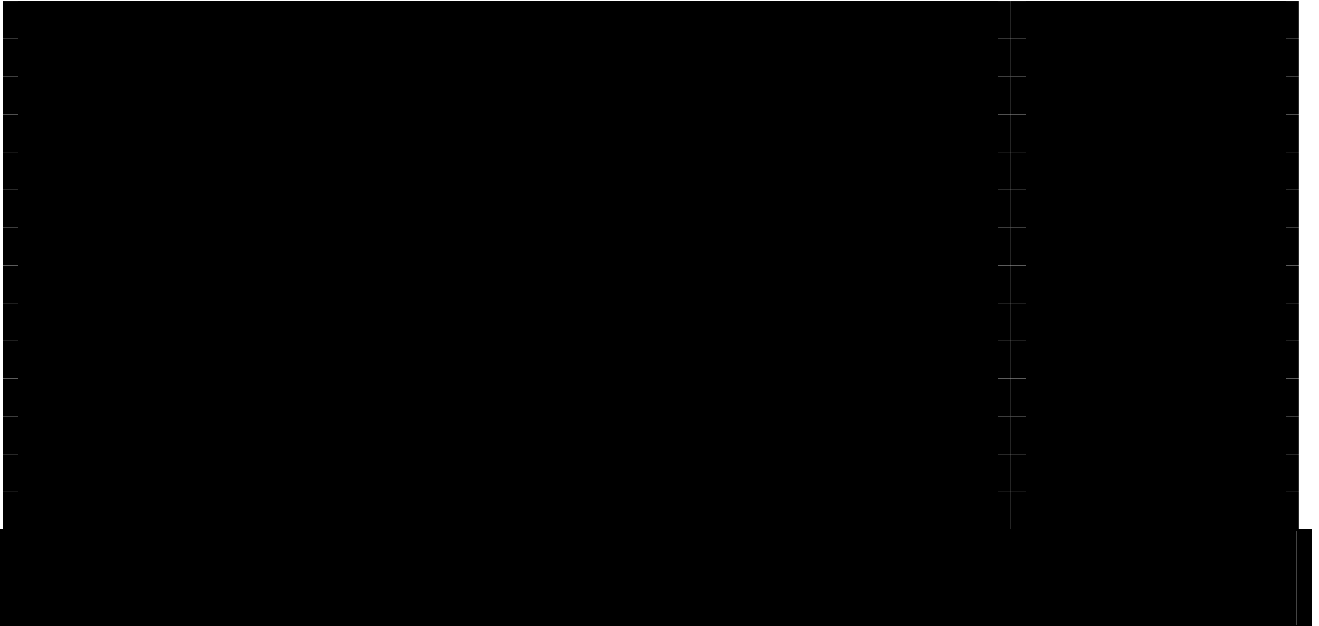
FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

<u>CLAUSe NO.</u>	<u>TITLe</u>	<u>DATE</u>
52.242-15	Stop-Work Order	AUG 1989
	Alternate I	APR 1984
52.247-34	F.O.B. Destination	NOV 1991

F-2 DELIVERY SCHEDULE/PERIOD OF PERFORMANCE

Item 0001 - The contractor shall perform the research and development effort and Deployment Readiness Planning as specified in Section C such that the following key milestones [IMP references are shown in brackets] are successfully accomplished:

[illegible]

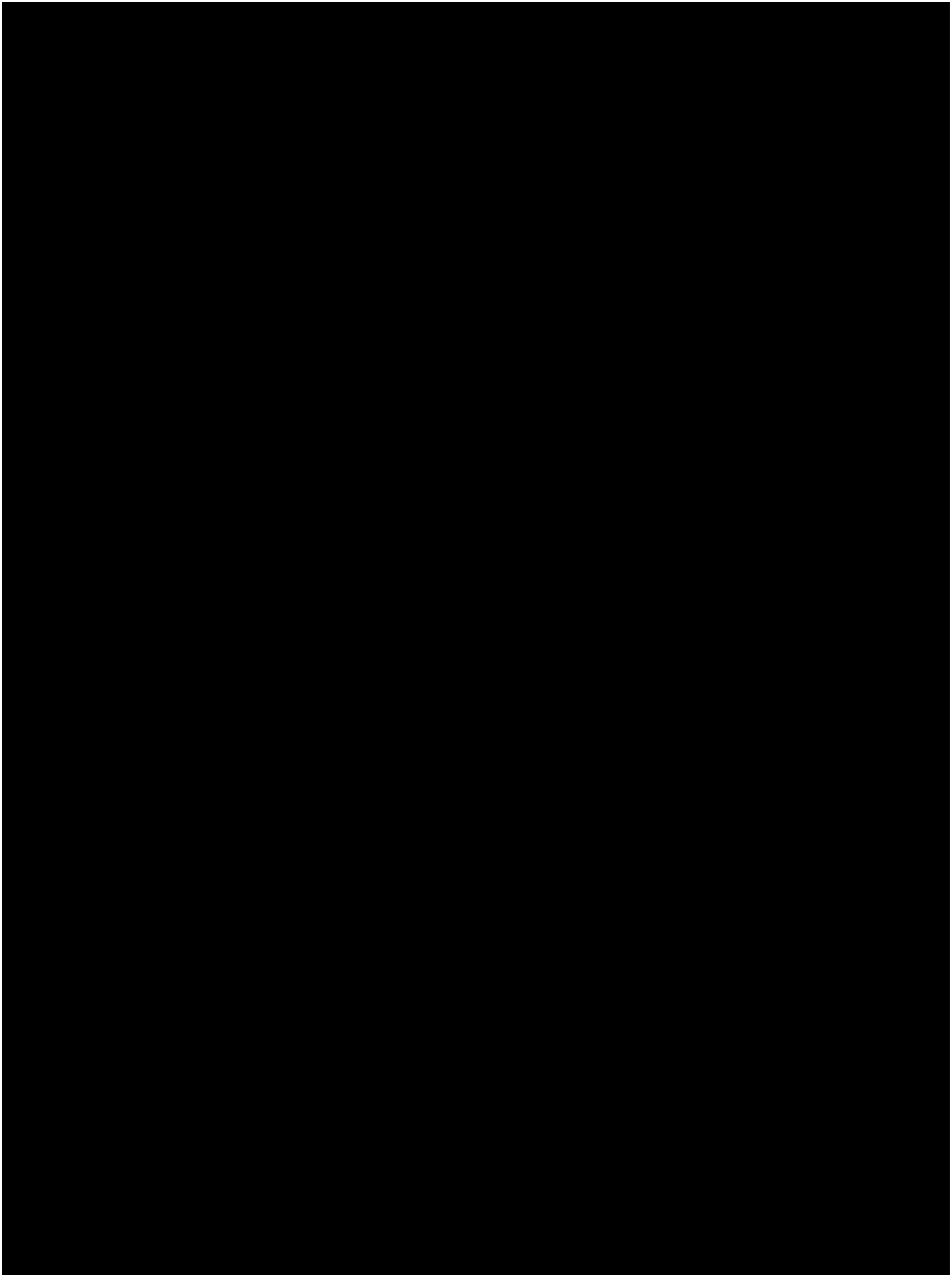


Item 0002 - The technical and administrative data required hereunder shall be delivered in accordance with **Exhibit A**, Contract Data Requirements List.

Item 0003 – The period of performance for the issuance of Task Instructions for NMD Special Studies and Analyses shall be from 99 AUG 19 through 01 SEP 30. The specific period of performance for each Task Instruction shall be identified in accordance with Special Contract Requirement H-38, Task Instructions. Task Instructions issued near the end of this period may extend beyond the end of this performance period as mutually agreed to and set forth in the Task Instruction.

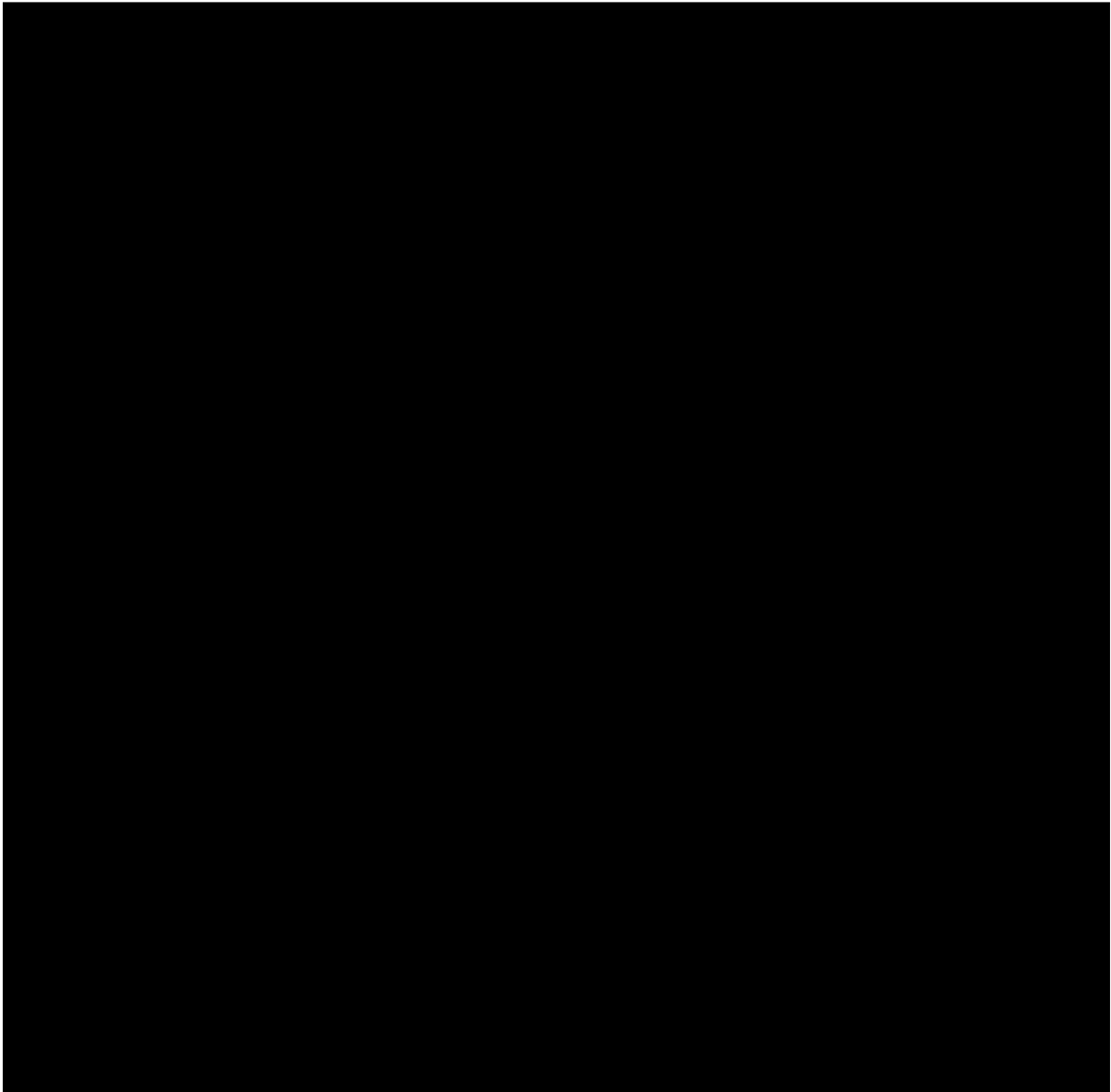
Item 0004 – The technical and administrative data required hereunder shall be delivered in accordance with **Exhibit H**, Contract Data Requirements List, and individual task instructions issued per Special Contract Requirement H-38

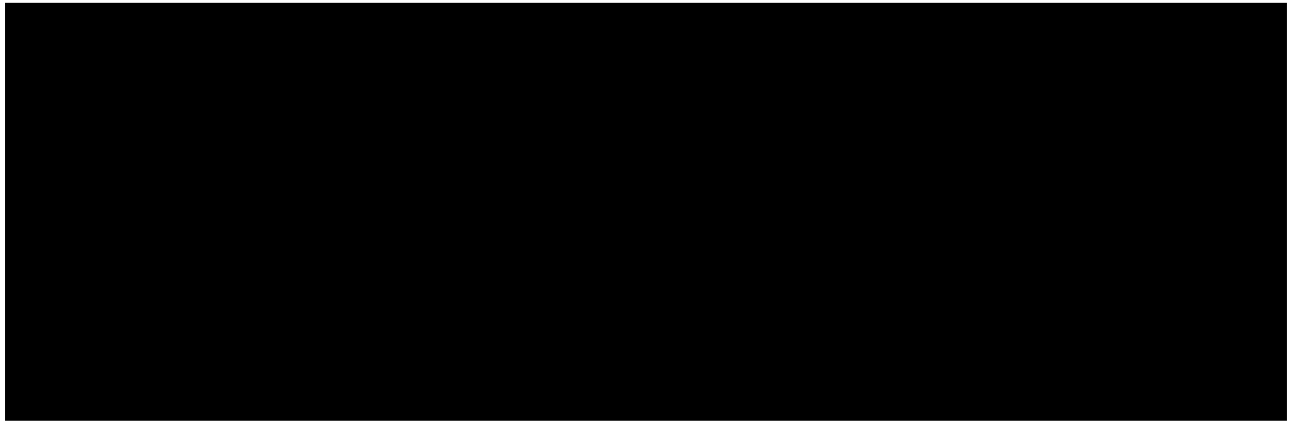
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Option Items 0102, 0112, and 0122 - The contractor shall perform deployment readiness planning as specified in Section C and in accordance with the Integrated Master Schedule such that the following key milestones are successfully accomplished:

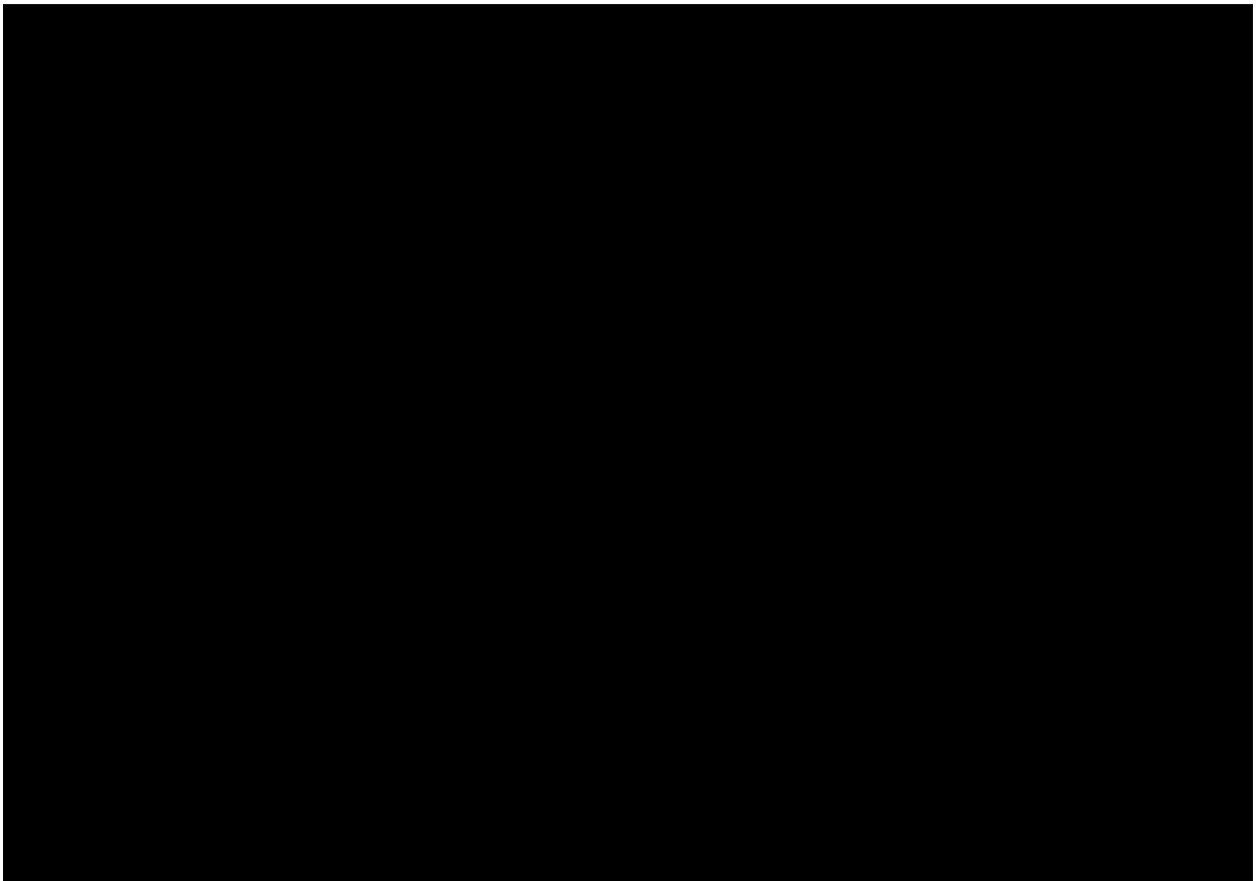




** These milestones are part of Level-of-Effort Tasks and therefore are not reflected in the IMP.

Option Items 0103, 0113, and 0123 - The technical and administrative data required hereunder shall be delivered in accordance with **Exhibits B** (Item 0103), **D** (Item 0113), and **E** (Item 0123), Contract Data Requirements Lists.

Option Item 0131 - The contractor shall perform effort common to both the Continuing Development Option(s) and the Deployment Option as specified in Section C and in accordance with the Integrated Master Schedule such that the following key milestones are successfully accomplished:



Option Item 0132 - The technical and administrative data required hereunder shall be delivered in accordance with **Exhibit G**, Contract Data Requirements Lists.

Option Item 0201 -



*** CLIN 0201 MAC shall be computed from the date the option is exercised.

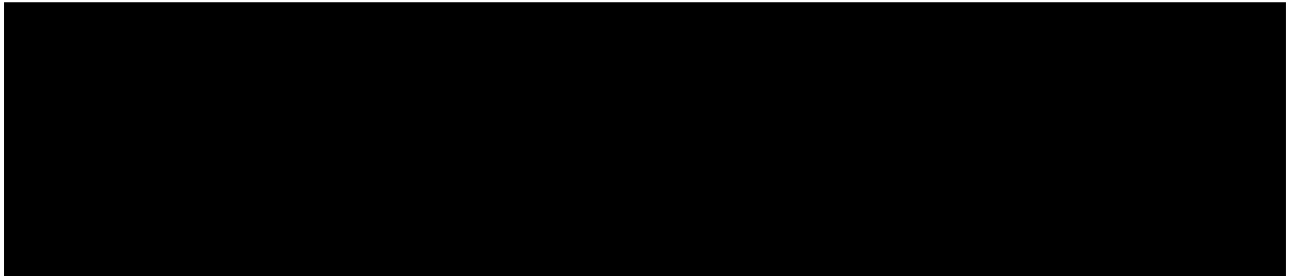
Option Items 020101 etc. -





Option Item 0202 - The technical and administrative data required hereunder shall be delivered in accordance with **Exhibit C**, Contract Data Requirements List.

Option Item 0203 -



***** MAC shall be computed from the date CLIN 0203 is exercised.

Option Item 0204 - The technical and administrative data required hereunder shall be delivered in accordance with **Exhibit F**, Contract Data Requirements List, DD Form 1423.

SECTION G - CONTRACT ADMINISTRATION DATA**G-1 CONTRACT ADMINISTRATION**

Administration of this contract will be performed by the cognizant office indicated on the cover page of the award document. No changes, deviations, or waivers shall be effective without a modification of the contract executed by the Contracting Officer, or the designated Administrative Contracting Officer (ACO), authorizing such changes, deviations, or waivers.

G-2 IDENTIFICATION OF CORRESPONDENCE

All correspondence and data submitted by the Contractor under this contract shall reference the contract number.

G-3 TAXPAYER IDENTIFICATION NUMBER (TIN)

The Contractor's TIN is 95-1054708. This number shall appear in the space identifying the Contractor in the appropriate blocks of contract forms and billing submittals.

G-4 PATENT INFORMATION

Patent information in accordance with FAR 52.227-12, "Patent Rights -- Retention by the Contractor (Long Form)," shall be forwarded through the Procuring Contracting Officer to:

Office of the Secretary of Defense
Ballistic Missile Defense Organization
7100 Defense Pentagon, BMDO/DGC
Washington, D.C. 20301-7100

G-5 SUBMISSION OF VOUCHERS

a. The Contractor shall prepare vouchers segregating costs by Contract Line Item Number (CLIN). The Contractor's vouchers for costs incurred shall be submitted in quadruplicate to the payment office. One copy of each voucher shall be provided electronically to the cognizant ACO for review and to the Procurement Contracting Officer (PCO) and BMDO/JNC for reference.

b. The contractor shall invoice the award fee separately in accordance with provision H-23, "Award Fee", of this contract.

G-6 REMITTANCE ADDRESS

Payment of invoices furnished by the Contractor shall be sent to the following address:

Boeing North American, Inc.
NMD Lead System Integrator
File Number 53032
Los Angeles, CA 90074-3032

The following information is provided pursuant to FAR 52.232-33, Mandatory Information for Electronic Funds Transfer Payment, Section I:

Chase Manhattan Bank N.A.
New York, NY

ABA/TR#: 0210-0002-1
For Credit To Boeing North American, Inc. - Master
REFERENCE: *HQ0006-98-C-0003*

G -7 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS

CLINs may be funded by multiple accounting classifications. The Contractor shall segregate costs and submit vouchers as required by provisions G-5, and H-23. The Defense Finance and Accounting Service (DFAS) will make payments from those Accounting Classification Reporting Numbers (ACRNs) assigned to each CLIN. Payments by the paying office of both cost and fee are to be made by CLIN, from the earliest available funds by fiscal year as identified by ACRN.

The following ACRNs and funding amounts apply to CLIN 0001:

All funds obligated on ACRN AA:	\$206,913,000
The following funds obligated on ACRN AB:	\$441,906,984
All funds obligated on ACRN AC:	\$565,400,000
The following funds obligated on ACRN AD:	\$264,505,884
All funds obligated on ACRN AE:	\$174,600,000
All funds obligated on ACRN AF:	\$112,851,107
All funds obligated on ACRN AG:	\$420,700,000
Total CLIN 0001 funding:	\$2,186,876,975

The following ACRNs and funding amounts apply to CLIN 0003:

The following funds obligated on ACRN AB:	\$1,518,000
The following funds obligated on ACRN AD:	\$173,914
Total CLIN 0003 funding:	\$1,691,914

It is intended that ACRN: AA (FY98 funding) will be used to pay the first award fee period award amount of \$18,862,315.00 for CLIN 0001.

G-8 ALLOTMENT OF FUNDS

Pursuant to FAR 52.232-22, "Limitation of Funds", the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), through the estimated funds exhaustion date is as follows:

CLIN 0001 and 0003
Estimated funds exhaustion date

\$2,188,568,889
December 31, 2000

G-9 ACCOUNTING AND APPROPRIATION DATA

ACRN: AA
ACCT CLASS: 9780400.2520 0801 P8871 2525 012123 DGAC85012
TOTAL ACRN: \$206,913,000 (NO CHANGE)

ACRN: AB
ACCT CLASS: 9790400.2520 0603871C 2525 012123 BMD90156014
AMOUNT: \$100,000 (INCREASE)
TOTAL ACRN: \$443,424,984

ACRN: AC
ACCT CLASS: 9790400.2520 0603871C 2525 012123 BMD90156051
TOTAL ACRN: \$565,400,000 (NO CHANGE)

ACRN: AD
ACCT CLASS: 9700400.2520 0603871C 2525 012123 BMDO0192886917
TOTAL ACRN: \$264,679,798 (NO CHANGE)

ACRN: AE
ACCT CLASS: 9790400.2520 0603871C 2525 012123 BMDO0101129887
TOTAL ACRN: \$174,600,000 (NO CHANGE)

ACRN: AF
ACCT CLASS: 9700400.2520 0603871C 2525 012123 BMDO0101931095
TOTAL ACRN: \$112,851,107 (NO CHANGE)

ACRN: AG
ACCT CLASS: 9710400.2520 40603871C 2525 012123 BMDO0106842289
TOTAL ACRN: \$420,700,000 (NO CHANGE)

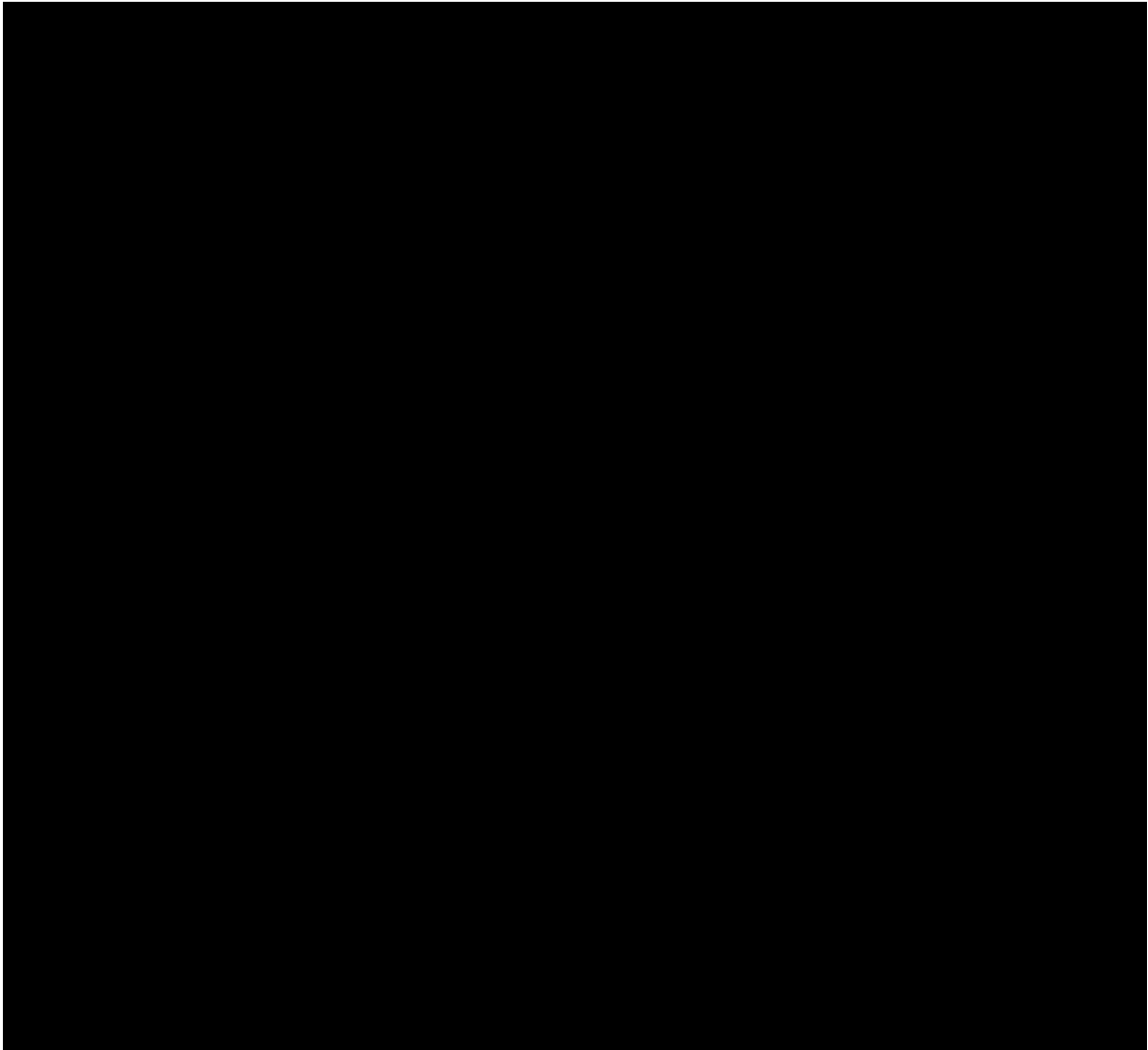
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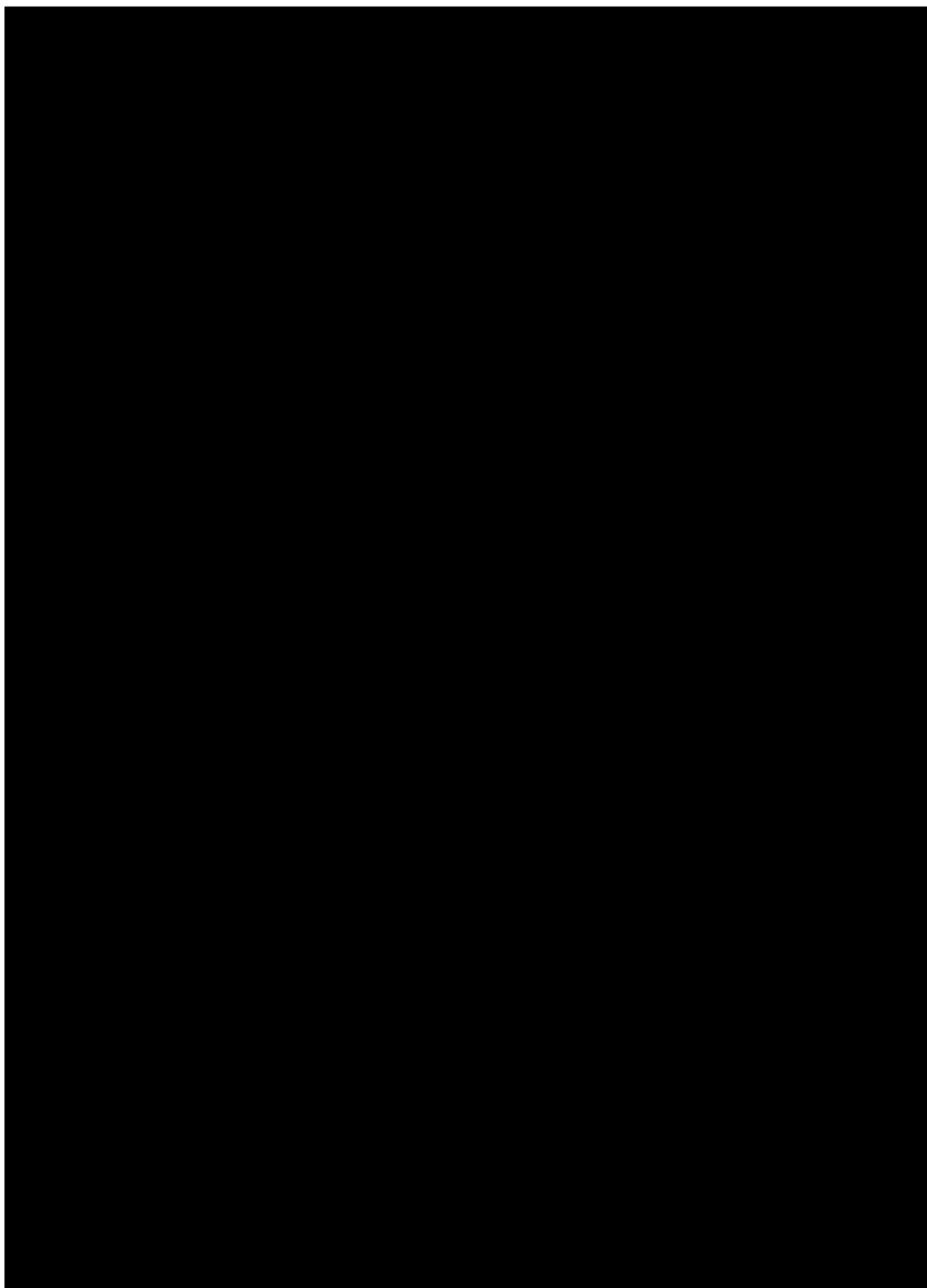
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H-1 NATIONAL MISSILE DEFENSE (NMD) REQUIREMENTS



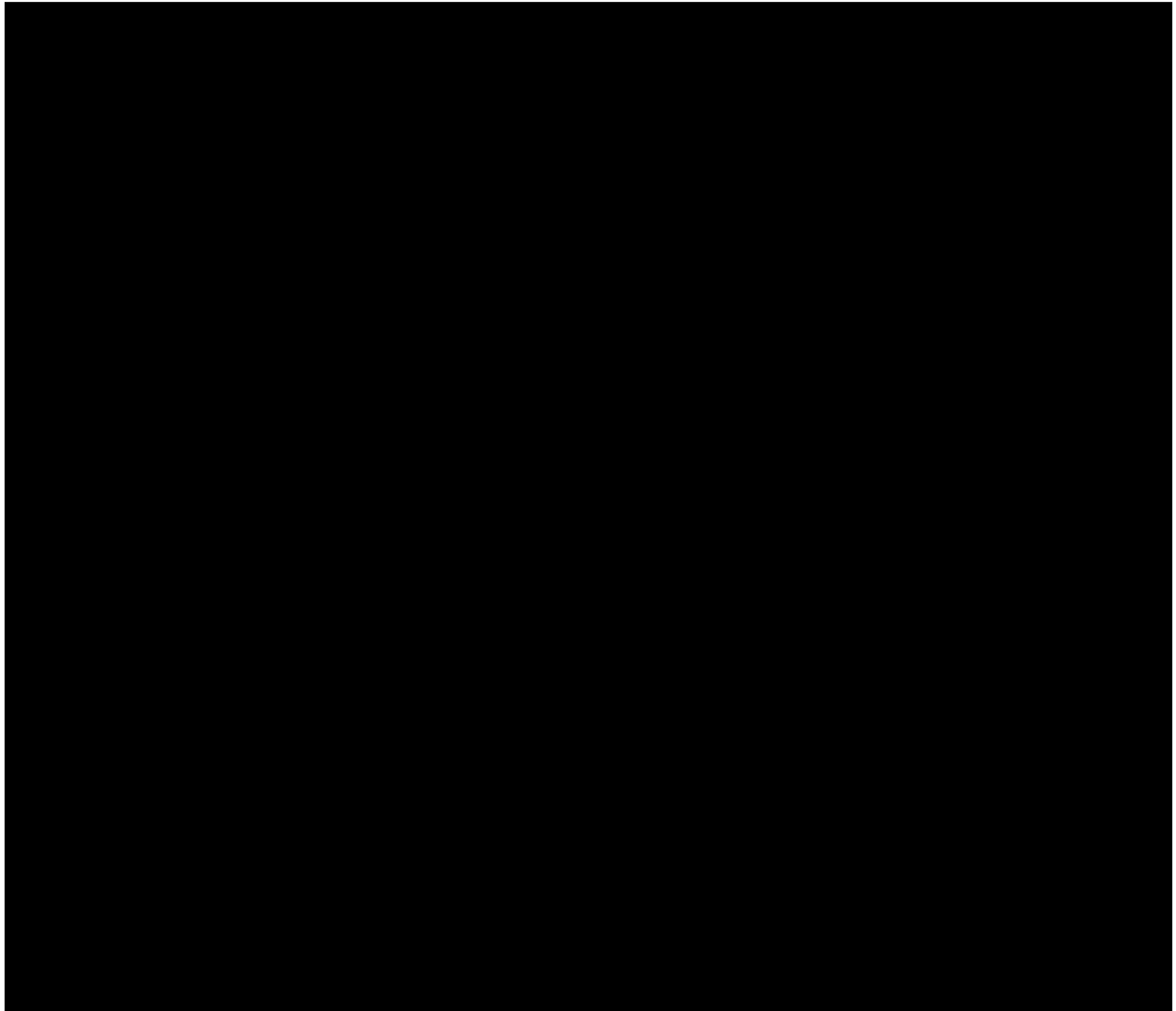
H-2 OPTIONS

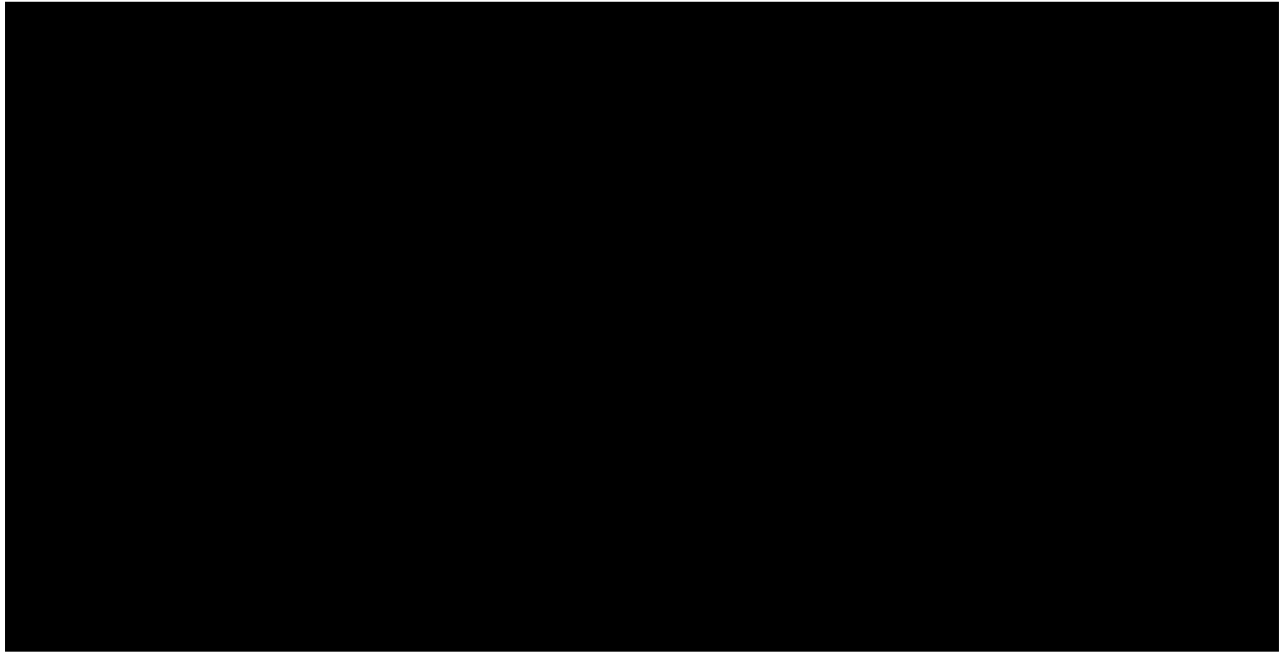






H-3 RESPONSIBILITY FOR NATIONAL MISSILE DEFENSE (NMD) SYSTEM





H-4 PUBLIC RELEASE OF INFORMATION

a. The policies and procedures outlined herein apply to information submitted by the Contractor and his subcontractors for approval for public release. Prior to public release, all information shall be cleared as shown in the "National Industrial Security Program Operating Manual" (DoD 5220.22-M).

b. All public information materials prepared by the Contractor shall be submitted to the BMDO (see paragraph e. below) for clearance prior to release. These materials include, but are not limited to, technical papers, and responses to news queries which relate to a Contractor's work under this contract.

Continued on next page.

c. However, once information has been cleared for public release, it does not have to be cleared again for later use. The information shall be used in its originally cleared context.

d. The BMDO Director for External Affairs is responsible for processing Contractor-originated material for public release.

e. All material to be cleared shall be sent to:

Office of the Secretary of Defense
Ballistic Missile Defense Organization
7100 Defense Pentagon, BMDO/SRE
Washington, DC 20301-7100

Subcontractor proposed public releases shall be submitted for approval through the prime Contractor.

f. The Contractor shall submit the material proposed for public release to the above addressee by a letter of transmittal which states: (1) to whom the material is to be released; (2) the desired date for public release; (3) that the material has been reviewed and approved by officials of the Contractor, or the subcontractor, for public release; and (4) the contract number and the applicable COR(s).

g. Two (2) copies of each item, including written material, photographs, drawings, "dummy layouts" and the like shall be submitted at least six (6) weeks in advance of the proposed release date.

h. The items submitted must be complete. Photographs shall have captions.

i. Abbreviated materials or abstracts may be submitted if the intent is to determine the feasibility of going further in preparing a complete paper for clearance. However, final approval for release or disclosure of the material cannot be given on the basis of abstracts.

j. Outlines or rough drafts will not be cleared.

k. Materials submitted to BMDO for release purposes shall be void of all Contractor logos or other attributions to the Contractor.

H-5 ORGANIZATIONAL CONFLICT OF INTEREST (OCI)

a. Purpose: The primary purpose of this clause is to aid in ensuring that:

(1) the Contractor's scientific objectivity and judgment are not biased because of its present, or currently planned interests (financial, contractual, organizational, or otherwise) which relate to work under this contract;

(2) the Contractor does not obtain an unfair competitive advantage by virtue of its access to non-public Government information regarding the Government's program plans and actual or anticipated resources; and

(3) the Contractor does not obtain any unfair competitive advantage by virtue of its access to proprietary information belonging to others;

b. Scope: The restrictions described herein shall apply to performance or participation by the Contractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as "Contractor") in the activities covered by this clause as prime Contractor, subcontractor, co-sponsor, joint venturer, consultant, or in any similar capacity. The term "proprietary information" for purposes of this clause is any information considered so valuable by its owners that it is held secret by them and their licensees. Information furnished voluntarily by the owner without limitations on its use, or which is available without restrictions from other sources, is not considered proprietary.

(1) System Engineering and Integration (SE&I): TRW (current SE&I contractor) has agreed that the TRW employees who are working in the program office located in Rosslyn, Virginia, responsible for NMD Systems Engineering on or after the date of the issuance of the final CD phase RFP will be isolated and ineligible to participate in the CD phase or LSI Execution proposal. While element contractors will provide limited technical support to the LSI Contractor, element contractors will not be restricted in establishing teaming arrangements for the LSI Execution phase. In addition, both TRW and Raytheon have agreed to negotiate, in good faith, subcontractor relationships with the selected LSI phase contractor to provide the BMC3 and GBR elements of the LSI phase contract, no matter who is selected.

(2) Certification Restriction: The Contractor shall be restricted from performing validation, verification, accreditation, or certification of any products developed or delivered under this contract. Additionally, the Contractor shall not serve as a software independent validation and verification (IV&V) contractor for any software developed or delivered under this contract.

(3) Access To and Use of Government Information: If the Contractor, in the performance of this contract, obtains access to information such as plans, policies, reports, studies, financial plans, or data which has not been released or otherwise made available to the public, the Contractor agrees that without prior written approval of the Contracting Officer, it shall not: (a) use such information for any private purpose unless the information has been released or otherwise made available to the public, (b) compete for work, other than the LSI contract, based on such information after the completion of this contract, or until such information is released or otherwise made available to the public, whichever occurs first, (c) submit an unsolicited proposal to the Government which is based on such information after such information is released or otherwise made available to the public, or (d) release such information unless such information has previously been released or otherwise made available to the public by the Government.

(4) Access To and Protection of Proprietary Information: The Contractor agrees that, to the extent it receives or is given access to proprietary data, trade secrets, or other confidential or privileged technical, business, or financial information (hereinafter referred to as "proprietary data") under this contract, it shall treat such information in accordance with any restrictions imposed on such information. The Contractor further agrees to enter into a written agreement for the protection of the proprietary data of others and to exercise diligent effort to protect such proprietary data from unauthorized use or disclosure. In addition, the Contractor shall obtain from each employee who has access to proprietary data under this contract, a written agreement which shall in substance provide that such employee shall not, during his/her employment by the Contractor or thereafter, disclose to others or use for their benefit, proprietary data received in connection with the work under this contract. The Contractor will educate its employees regarding the philosophy of Part 9.505-4 of the Federal Acquisition Regulation so that they will not use or disclose proprietary information or data generated or acquired in the performance of this contract except as provided herein.

c. Subcontracts: The Contractor shall include this or substantially the same clause, including this paragraph, in consulting agreements and subcontracts of all tiers. The terms "Contract", "Contractor", and "Contracting Officer", will be appropriately modified to preserve the Government's rights.

d. Disclosures: If the Contractor discovers an organizational conflict of interest or potential conflict of interest after award, a prompt and full disclosure shall be made in writing to the Contracting Officer. This disclosure shall be made on the OCI Analysis/Disclosure Form provided at Attachment 10 to the contract, and shall include a description of the action the Contractor has taken or proposes to take in order to avoid or mitigate such conflicts.

e. Remedies and Waiver:

(1) For breach of any of the above restrictions or for non-disclosure or misrepresentation of any relevant facts required to be disclosed concerning this contract, the Government may terminate this contract for default, disqualify the Contractor for subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or this contract. If, however, in compliance with this clause, the Contractor discovers and promptly reports an organizational conflict of interest (or the potential thereof) subsequent to contract award, the Contracting Officer may terminate this Contract for convenience if such termination is deemed to be in the best interest of the Government.

(2) The parties recognize that this clause has potential effects which will survive the performance of this contract and that it is impossible to foresee each circumstance to which it might be applied in the future. Accordingly, the Contractor may at any time seek a waiver from the Director, BMDO, (via the Contracting Officer) by submitting a full written description of the requested waiver and the reasons in support thereof.

f. Modifications: Prior to contract modification, when the SOW is changed to add new work or the period of performance is significantly increased, the Contracting Officer may require the Contractor to submit either an organizational conflict of interest disclosure or an update of the previously submitted disclosure or representation.

H-6 ENABLING CLAUSE FOR NMD INTERFACE SUPPORT

a. It is anticipated that, during the performance of this contract, the Contractor may be required to support meetings with other BMD Contractors and other Government agencies. Appropriate organizational conflict of interest agreements will be negotiated, by the Contractor, as needed to protect the rights of the Contractor and the Government.

b. The Contractor further agrees to include a clause in each subcontract requiring compliance with the provisions of paragraph a. above, subject to coordination with the prime Contractor. This agreement does not relieve the Contractor of its responsibility to manage its subcontracts effectively, nor is it intended to establish privity of contract between the Government and such subcontractors.

c. Personnel from BMD Contractors or other Government agencies or Contractors are not authorized to direct the Contractor in any manner.

d. This clause shall not prejudice the Contractor or its subcontractors from negotiating separate organizational conflict of interest agreements with BMD Contractors; however, these agreements shall not restrict any of the Government's rights established pursuant to this clause.

H-7 ASSOCIATE CONTRACTOR RELATIONSHIPS

In performance of its responsibilities for the NMD program as described elsewhere in this contract, the "contractor" shall enter into agreements with any NMD Element prime contractors and other contractors deemed appropriate to perform this contract to facilitate timely exchanges of information necessary to the performance of this contract. The agreements shall hold the Government harmless from liability for the unauthorized disclosure by the contractor of associate contractor proprietary information.

H-8 PROGRAM MANAGEMENT REVIEWS (PMRs)

a. The Contractor shall plan and conduct a bi-monthly Program Management Review (PMR) at its place of performance, and shall attend a Joint Management Meeting (JMM) at the Government's facility during alternate months. The contractor and the Government shall jointly agree on meeting locations and personnel to attend.

b. The Contractor shall plan for and conduct Annual LSI Program Reviews. These reviews will assess upcoming major milestones, program risks, risk mitigation planning, resource requirements, and significant Government and LSI decisions. These reviews are intended to provide the Government the opportunity to identify required NMD program direction, and, where applicable, to develop this direction jointly with the Contractor. These reviews are not intended to replace other ongoing technical reviews, but will be in lieu of one of the PMRs.

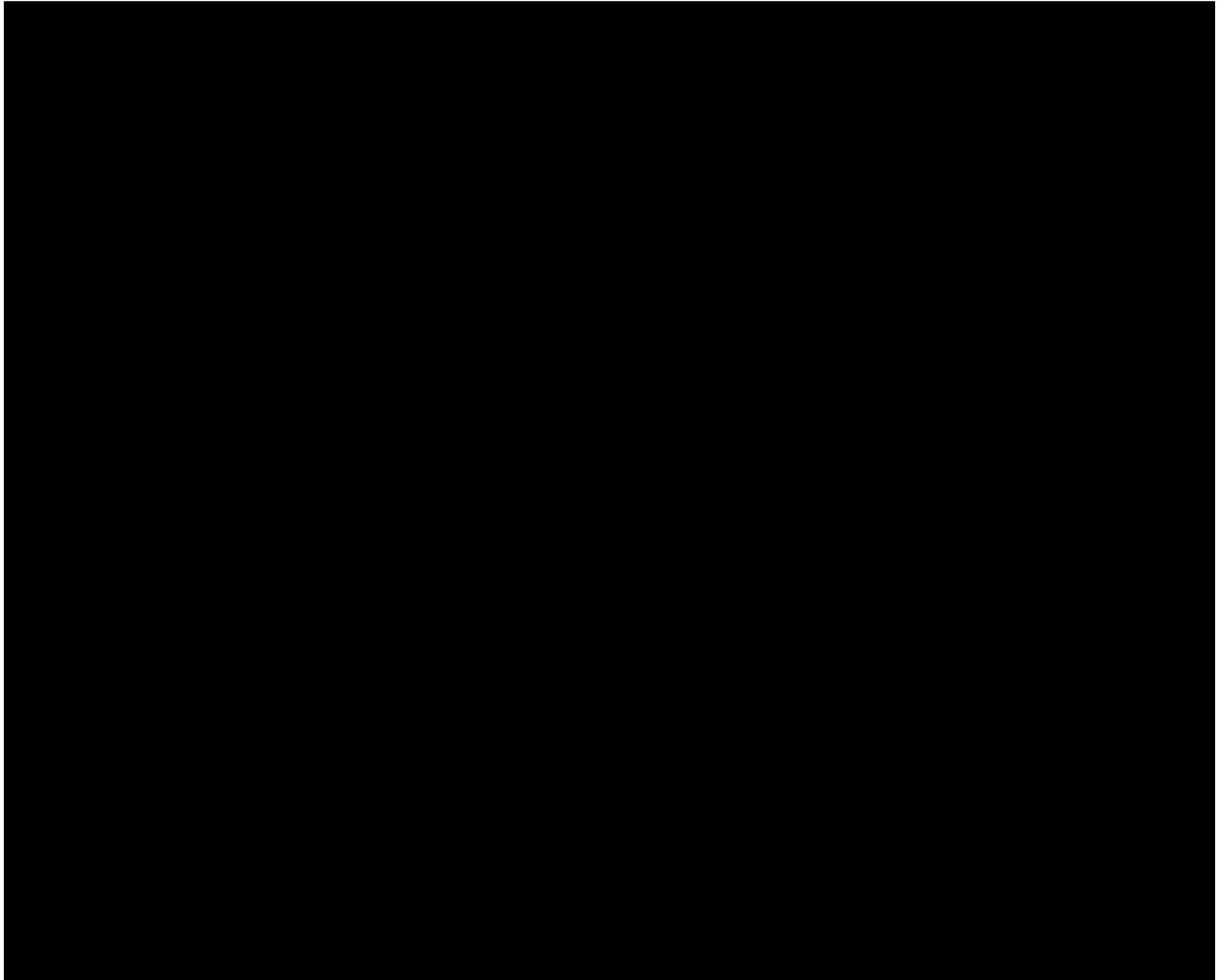
H-9 BMDO VISIT AUTHORIZATION PROCEDURES

a. The Contractor shall submit all required visit clearances in accordance with Defense Investigative Service Contractor Office regulations and will forward all visit requests, identifying the contract number, to:

Office of the Secretary of Defense
Ballistic Missile Defense Organization
7100 Defense Pentagon, BMDO/ACC
Washington, DC 20301-7100
Phone No.:(703)695-8048 FAX No.:(703)693-1526

b. The Contracting Officer's Representative is authorized to approve visit requests for the Contracting Officer. |

H-10 ABM TREATY COMPLIANCE



H-11 CHANGES OF ADDRESS OR QUANTITIES FOR DATA SUBMISSIONS

From time to time the Government may make changes in office symbols, add or delete addressees, or change quantities of data items in the Contract Data Requirements List (CDRL). It is expressly agreed by the Government and the Contractor that all addressee changes shall be accomplished by administrative notice issued by the Contracting Officer at no change in the contract price. It is further agreed that all additions or deletions shall be accomplished by administrative notice issued by the Contracting Officer at no change in the contract price, provided that any increase(s) or decrease(s) in individual data items does not exceed the greater of fifty percent (50%) of the total quantity then called for in that data item or a quantity of two (2).

H-12 DELIVERY REQUIREMENTS FOR GOVERNMENT PROPERTY

Under the clause at FAR 52.245-5, "Government Property (Cost-Reimbursement, Time-and-Material, or Labor-Hour Contracts)," the Government may elect to have the developmental NMD System hardware/software (CLINs 0001 and, to the extent that options are exercised, 0101, 0111, and 0121) delivered F.O.B. origin in whole or in part. To ensure that the identification and current configuration of the developmental NMD System are readily known, the Contractor shall, pursuant to subparagraph (i) ["eye"] of clause 52.245-5, submit a listing of such property to the Contracting Officer, BMDO/DCTD, three (3) months prior to the expiration of this contract, including such period as may be extended by the exercise of the Continued Development and/or Deployment options. The list shall identify, as a minimum, specific hardware and software components comprising any and all parts of the developmental NMD System, and the extent to which multiple quantities of any demonstrator or component are configured alike or differently. Any differences in configuration shall be explained. Any updates to the list during the last three month period of the contract shall be submitted promptly at the conclusion of the contract.

H-13 KEY PERSONNEL

The Contractor shall notify the Contracting Officer prior to making any changes in key personnel. Key personnel are defined as follows:

a. As a minimum: The Program Manager for this effort, Deputy(ies) to the Program Manager, Leaders of Integrated Product Teams (IPTs), team or group leaders or directors at the same level as IPT Leaders, and—if not already covered as IPT Leaders—managers responsible for NMD Elements or work at level 2 of the Work Breakdown Structure (WBS).

b. Personnel identified in the proposal as key individuals to be assigned for participation in the performance of the contract.

c. Individuals designated as key personnel by agreement of the Government and the Contractor during negotiations.

Key personnel shall not be replaced unless the Contractor has demonstrated to the satisfaction of the Contracting Officer that the qualifications of the proposed substitute personnel are equal to or better than the qualifications of the personnel being replaced.

H-14 IDENTIFICATION OF TECHNICAL DATA TO BE DELIVERED WITH LESS THAN UNLIMITED RIGHTS

a. Except for technical data listed in Attachment 6, all technical data required to be delivered under this contract will be provided to the Government with unlimited rights.

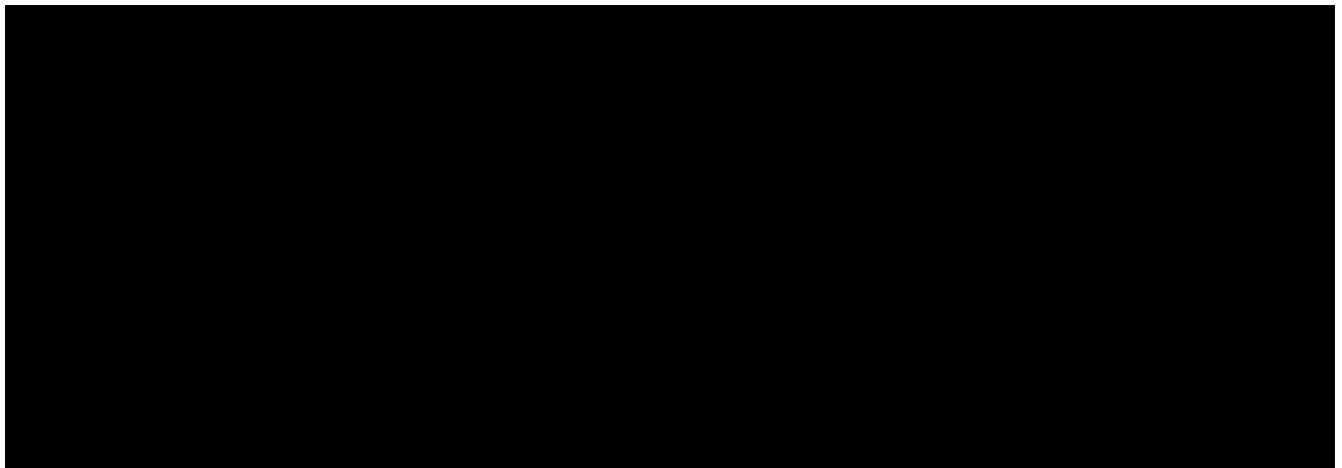
b. The Government and the Contractor agree that the technical data, as listed in Attachment 6, will be delivered with less than unlimited rights per the clause of this contract entitled "Rights in Technical Data—Noncommercial Items" (DFARS 252.227-7013).

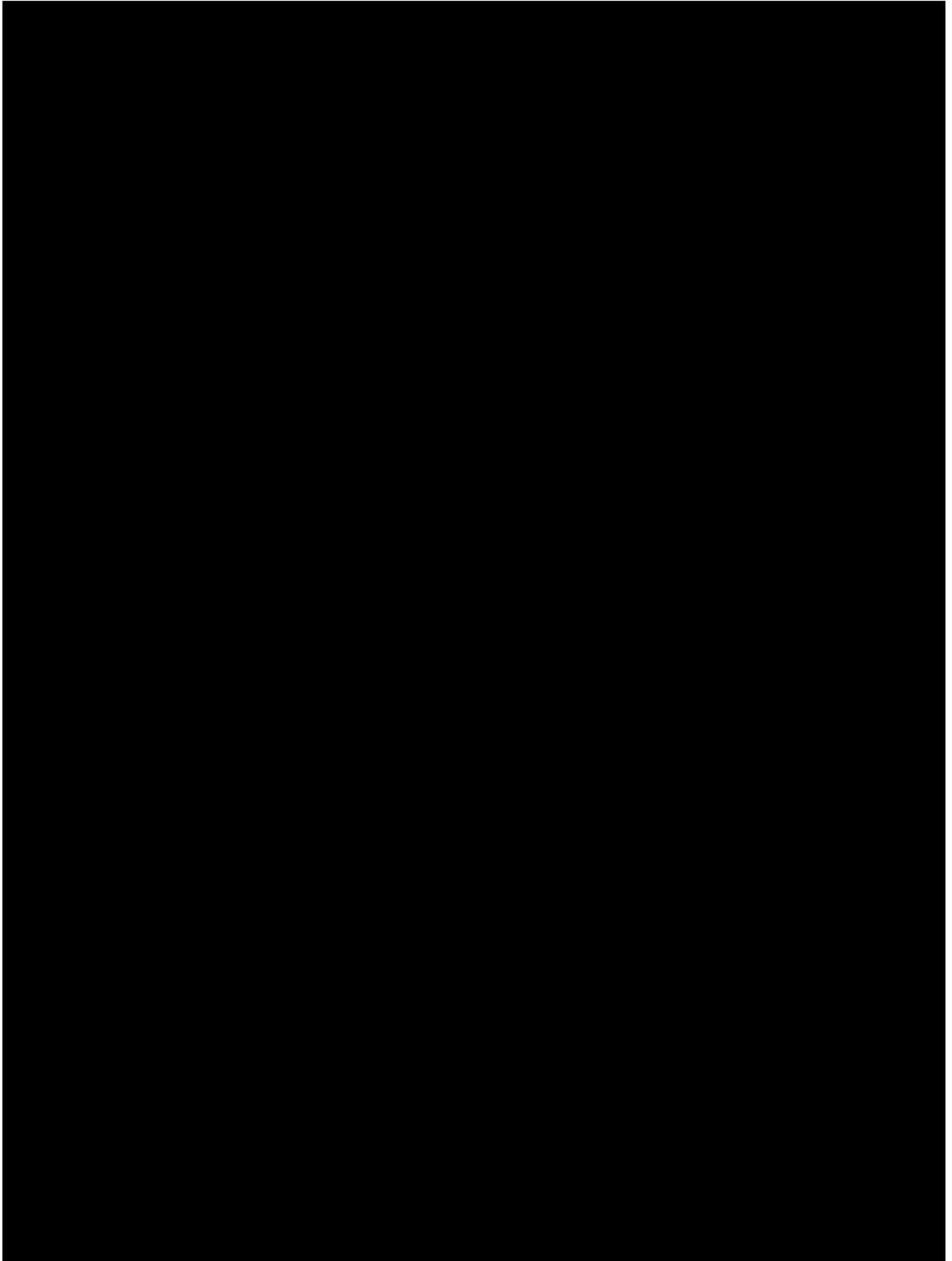
H-15 IDENTIFICATION OF COMPUTER SOFTWARE AND COMPUTER SOFTWARE DOCUMENTATION TO BE DELIVERED WITH LESS THAN UNLIMITED RIGHTS

a. Except for computer software and computer software documentation listed in Attachment 7, all computer software and computer software documentation required to be delivered under this contract will be provided to the Government with unlimited rights.

b. The Government and the Contractor agree that the computer software and computer software documentation, as listed in Attachment 7, will be delivered with less than unlimited rights per the clause of this contract entitled "Rights in Computer Noncommercial Computer Software and Noncommercial Software Documentation" (DFARS 252.227-7014).

H-16 GOVERNMENT TEST FACILITIES (USAKA/KMR)





H-17 SCHEDULED CLOSURES OF TEST RANGE

The Contractor understands that closures of the United States Army Kwajalein Atoll (USAKA) test range (pursuant to Government-to-Government agreements) occur on a scheduled basis. These closures shall not be a basis for any claim for adjustment in the contract price or other terms or conditions of this contract.

H-18 ADVANCE CHANGE ADJUSTMENT AGREEMENT

a. Purpose. This special contract requirement establishes a procedure by which the parties agree to change this contract according to the clause entitled "Changes—Cost Reimbursement" without an equitable adjustment to the contract price as specified in this subparagraph. The parties agree that each change not exceeding \$250,000, which also does not affect the contract delivery or performance schedules or any other contract provision, shall be a change having no effect on the contract price. There will be no fee adjustment for each change not exceeding \$250,000 which does not affect contract delivery or performance, or any contract provision.

b. Procedure. When it is proposed to make a change under the Changes—Cost Reimbursement clause and both parties agree that such a change will require no equitable adjustment as contemplated by subparagraph a of this clause, the contractor shall submit an abbreviated proposal or offer to accomplish the proposed change without an equitable adjustment. If the contracting officer concurs that no adjustment is necessary, the contractor's proposal may be accepted by issuing an executed copy of an Standard Form 30.

The modification shall:

- (1) be issued under the Changes—Cost Reimbursement clause;
- (2) cite this special contract requirement;
- (3) reference the contractor's proposal or offer; and
- (4) direct the changes to be made.

The issuance of the modification shall constitute acceptance of the contractor's proposal or offer, shall be binding on both parties, and shall be a full, complete and final settlement for the directed changes.

c. Limitation. The parties agree that this advance Change Agreement shall not be used more than three (3) times per year for each year that this contract is in effect.

H-19 COMPLIANCE WITH NATIONAL ENVIRONMENTAL POLICY ACT (NEPA), POLLUTION PREVENTION ACT (PPA), AND ENVIRONMENTAL SAFETY & HEALTH (ESH) PROGRAM PROTECTION

a. The Contractor shall assist the JPO by ensuring development and deployment of the NMD System complies with NEPA (42 U.S.C. 4321-4370d), implementing regulations (40 C.F.R 1500-1508), and executive orders, (such as E.O. 12114, Environmental Effects Abroad of Major Federal Actions, and E.O. 11514, Protection and Enhancement of Environmental Quality).

b. The Contractor shall assist the JPO by ensuring development and deployment of the NMD System complies with the PPA (42 U.S.C. 13106), Section 312 (Emergency Planning and Response) and Section 313 (Toxic Release Inventory) of the Emergency Planning and Community Right to Know Act of 1986, implementing regulations (40 C.F.R. 355 and 372.65), Executive Order 12856, and National Aerospace Standard (NAS) 411, Hazardous Materials Management Program requirements.

c. The Contractor shall provide input to the ESH evaluation as directed by the Program Manager to assist the Government with complying with DoD 5000.2-R, Mandatory Procedures for Major Defense Acquisition Programs (MDAPs) and Major Automated Information System (MAIS) acquisition programs.

d. The Contractor shall support and assist the government's compliance with NEPA, PPA, and ESH Program Protection by: participating in Integrated Product Teams (IPTs); addressing environmental assessments and impacts; providing information, system related documents, and technical assistance to the government's environmental personnel and its associated contractors; reviewing draft documents; and, by providing written comments as requested by the government.

H-20 GOVERNMENT REVIEW OF CRITICAL PROCESSES

The Government reserves the right to conduct reviews of the Contractor's readiness or critical processes at significant times during the period of performance (e.g., readiness to conduct flight test, Production Readiness Review, Software Capability Evaluation). Any such review will be conducted by a focused Government team (which may include support contractor personnel) at a time and place mutually agreed to by the Government and the Contractor. Such reviews will typically take place at the place of performance and be accomplished within approximately one workweek.

H-21 INSURANCE

The Contractor shall maintain the types of insurance and coverage listed below:

<u>TYPES OF INSURANCE</u>	<u>MINIMUM AMOUNT</u>
Workmen's Compensation and all occupational disease	As required by State law
Employer's Liability including all occupational disease when not covered by Workmen's Compensation above	\$100,000 per accident
General Liability (Comprehensive) Bodily Injury per occurrence	\$500,000
Automobile Liability (Comprehensive)	
Bodily Injury per person	\$200,000
Bodily Injury per accident	\$500,000
Property Damage per accident	\$ 20,000

H-22 DEFINITIZATION OF ESTIMATED COSTS AND ASSOCIATED AWARD FEE FOR OPTION CLINs

The parties agree that the following clause shall be included in any contract modifications which exercise an option prior to definitization of estimated costs and associated award fee:

CONTRACT DEFINITIZATION OF ESTIMATED COST AND ASSOCIATED AWARD FEE

(a) An additional definitive cost-plus-award-fee CLIN is contemplated. The Contractor agrees to begin promptly negotiating with the Contracting Officer the terms of a definitive modification that will include (1) all clauses required by the Federal Acquisition Regulation (FAR) on the date of execution of the definitive contract modification, (2) all clauses required by law on the date of execution of the definitive contract modification, and (3) any other mutually agreeable clauses, terms, and conditions. The Contractor agrees to submit a cost-plus-award-fee proposal and cost or pricing data supporting its proposal.

(b) The schedule for definitizing this modification is:

<u>EVENT</u>	<u>DATE</u>
Submission of Proposal	<i>(60 days after receipt of option exercise)</i>
Commencement of Negotiations	<i>(90 days after proposal)</i>
Definitization	<i>(180 days after receipt of option exercise)</i>

(c) If agreement on a definitive modification to supersede the undefinitized option contract is not reached by the target date in paragraph (b) above, or within any extension of it granted by the Contracting Officer, the Contracting Officer may, with the approval of the head of the contracting activity, determine a reasonable cost or fee for this option in accordance with Subpart 15.8 and Part 31 of the FAR, subject to Contractor appeal as provided in the Disputes clause. In any event, the Contractor shall proceed with completion of the option, subject only to the Limitation of Funds clause.

(1) After the Contracting Officer's determination of estimated costs or fee, the option shall be governed by--

(i) All clauses required by the FAR on the date of execution of this undefinitized option for either fixed-price or cost-reimbursement contracts, as determined by the Contracting Officer under this paragraph (c);

(ii) All clauses required by law as of the date of the Contracting Officer's determination; and

(iii) Any other clauses, terms, and conditions mutually agreed upon.

(2) To the extent consistent with subparagraph (c)(1) above, all clauses, terms, and conditions included in this undefinitized option shall continue in effect, except those that by their nature apply only to the undefinitized option.

(d) The definitive modification shall adjust the amount in the award fee pool identified in the undefinitized option. Normally, this adjustment shall only be a downward adjustment to the extent that total estimated costs are lower. However, in the event that the general scope of the contract is increased as determined by the Contracting Officer, the amount in the award fee pool may be adjusted upward beyond the maximum specified in the undefinitized option (at the same rate specified in the Basic Contract). Any disagreement with respect to whether the award fee pool should be increased shall be handled per the "Disputes" clause of this contract.

H-23 AWARD FEE

a. This contract provides for a maximum award fee pool for CLINs 0001, etc. The maximum award fee pool amount for the base contract and each option will be divided into fee pools for evaluation and payment of the award fee over consecutive evaluation periods as described below. Evaluation periods may vary in length from five to twelve months and shall be based, to the extent possible, on Contractor selected Technical Performance milestones. The Award Fee amounts listed below for Option CLINs apply only if the corresponding Option CLIN is exercised. The evaluation periods, fee pools, and fee earned are as follows:

CLIN	PERIOD # START DATE	END DATE	FEE POOL	FEE EARNED FOR PERIOD	CUMULATIVE FEE EARNED	AVAILABLE FEE CARRIED FORWARD
0001	#1 4/30/98	10/31/98	\$26,566,641	\$18,862,315	\$18,862,315	\$3,852,163 To 2d Period
0001	#2 11/1/98	4/30/99	\$37,116,821	\$30,064,625	\$48,926,940	\$3,526,098 To 3d Period
0001	Carried Forward From 1 st Period		\$3,852,163	\$ 3,120,252	\$52,047,192	N/A
0001	#3 5/1/99	10/31/99	\$37,770,426	\$30,594,045	\$82,641,237	\$3,588,190 To 4 th Period
0001	Carried Forward From 2d Period		\$3,526,098	\$ 1,236,139	\$83,877,376	N/A
0001	#4 11/1/99	4/30/00	\$41,918,680	\$20,959,340	\$104,836,716	\$5,239,835 To 5 th Period \$15,719,505 To 6 th Period
0001	Carried Forward From 3d Period		\$3,588,190	\$0	\$104,836,716	N/A
0003			\$197,934	\$98,967	\$104,935,683	\$24,742 To 5 th Period \$74,225 To 6 th Period

CLIN	PERIOD # START DATE	END DATE	FEE POOL	FEE EARNED FOR PERIOD	CUMULATIVE FEE EARNED	AVAILABLE FEE CARR'D FORWARD
0001	#5 5/1/00	12/31/00	\$89,053,813	CLIN 0001 FEE EARNED		
0001	Carried Forward from 4 th Period		\$5,239,835	\$81,092,537	\$186,028,220	
0003			\$15,112	CLIN 0003 FEE EARNED		
0003	Carried Forward from 4 th Period		\$24,742	\$34,275	\$186,062,495	
0001	#6 01/01/01	5/31/01	\$42,694,061	TBD	TBD	TBD
0001	Carried Forward from 4 th Period		\$15,719,505		N/A	
0003						
0003	Carried Forward from 4 th Period		\$74,225			
0001	#7 6/1/01	9/30/01	\$3,224,889	TBD	TBD	TBD
0001						
0003						
0003						

CLIN 0101, 0102 and 0103 - CON'T DEVELOPMENT OPTIONS						
	TBD	TBD	\$ 4,141,882	TBD	TBD	TBD
	TBD	TBD	\$ 3,789,661	TBD	TBD	TBD
	TBD	TBD	\$ 3,726,796	TBD	TBD	TBD
	TBD	TBD	\$ 75,820	TBD	TBD	TBD
	TBD	TBD	\$ 76,690	TBD	TBD	TBD
CLIN 0111, 0112 and 0113- CON'T DEVELOPMENT OPTION						
	TBD	TBD	\$ 5,454,775	TBD	TBD	TBD
	TBD	TBD	\$ 5,295,191	TBD	TBD	TBD
	TBD	TBD	\$ 5,272,949	TBD	TBD	TBD
	TBD	TBD	\$ 5,533,639	TBD	TBD	TBD
	TBD	TBD	\$ 5,595,778	TBD	TBD	TBD

	TBD	TBD	\$ 151,247	TBD	TBD	TBD
CLIN 0121, 0122 and 0123- CON'T DEVELOPMENT OPTION						
	TBD	TBD	\$ 9,851,244	TBD	TBD	TBD
	TBD	TBD	\$17,885,836	TBD	TBD	TBD
	TBD	TBD	\$20,117,558	TBD	TBD	TBD
	TBD	TBD	\$29,935,741	TBD	TBD	TBD
	TBD	TBD	\$31,595,358	TBD	TBD	TBD
	TBD	TBD	\$ 7,958,724	TBD	TBD	TBD
	TBD	TBD	\$ 8,691,523	TBD	TBD	TBD
	TBD	TBD	\$ 8,622,736	TBD	TBD	TBD
	TBD	TBD	\$ 8,634,801	TBD	TBD	TBD
	TBD	TBD	\$ 8,098,755	TBD	TBD	TBD
	TBD	TBD	\$ 8,023,544	TBD	TBD	TBD
	TBD	TBD	\$ 8,325,829	TBD	TBD	TBD
CLIN 0131, and 0132- COMMON OPTION						
	TBD	TBD	\$19,250,871	TBD	TBD	TBD
	TBD	TBD	\$18,598,706	TBD	TBD	TBD
	TBD	TBD	\$18,489,220	TBD	TBD	TBD
	TBD	TBD	\$16,962,814	TBD	TBD	TBD
	TBD	TBD	\$11,069,382	TBD	TBD	TBD
CLIN 0201, and 0202 – DEPLOYMENT OPTION						
	TBD	TBD	\$35,906,672	TBD	TBD	TBD
	TBD	TBD	\$27,547,511	TBD	TBD	TBD
	TBD	TBD	\$24,986,361	TBD	TBD	TBD
	TBD	TBD	\$23,118,917	TBD	TBD	TBD
	TBD	TBD	\$21,107,925	TBD	TBD	TBD
	TBD	TBD	\$19,187,802	TBD	TBD	TBD

CLIN 0203 and 0204 – INITIAL SUSTAINMENT OPTION						
	TBD	TBD	\$ 3,469,144	TBD	TBD	TBD
	TBD	TBD	\$ 3,109,417	TBD	TBD	TBD
	TBD	TBD	\$ 3,156,545	TBD	TBD	TBD
	TBD	TBD	\$ 3,210,062	TBD	TBD	TBD
	TBD	TBD	\$ 3,104,675	TBD	TBD	TBD
	TBD	TBD	\$ 3,005,900	TBD	TBD	TBD

b. At the Fee Determining Official's discretion, 50% of available but unearned award fee in any evaluation period may be carried forward to the next period but not to any subsequent periods.

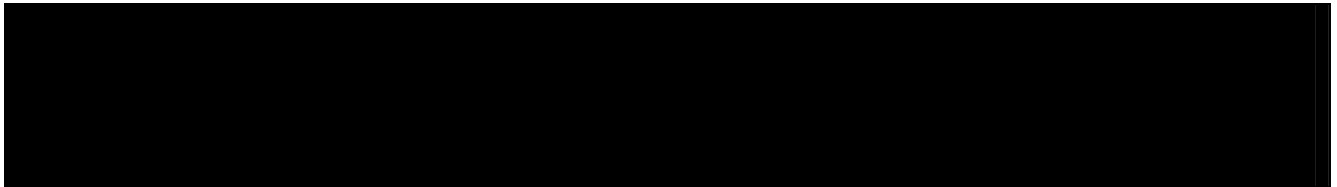
c. The award fee will be determined in accordance with the Award Fee Determination Plan (Attachment 11). The Contractor's performance will be periodically monitored by an Award Fee Review Board (AFRB) consisting of a Chairperson and other designated members. The award fee evaluations will occur as described in Section 7.1 of the Award Fee Determination Plan (Attachment 11). The AFRB will review and assess the Contractor's performance against the defined evaluation criteria. The Contractor will be requested to provide the AFRB with a self-assessment briefing on its performance and provide written documentation describing its performance for the period being evaluated. Upon conclusion of the evaluation and the Fee Determining Official's (FDO) decision, the Contractor will be notified by the FDO of the results of the performance evaluation, and will be provided guidance for the subsequent performance period, if deemed required by the Government.

d. The Contractor may submit vouchers for the award fee immediately upon receipt of the contract modification recording the award fee earned at subparagraph a. of this section.

e. The Government may make unilateral changes to the Award Fee Determination Plan (Attachment 11) if the contractor is provided written notification by the Contracting Officer before the start of the upcoming evaluation period. Changes affecting the current evaluation period must be by bilateral agreement.

f. In accordance with Federal Acquisition Regulation (FAR) subsection 16.404-2, the determination of the performance award fee for an evaluation period shall be made unilaterally by the Government and is not subject to the Disputes clause.

H-24 DUAL BOOSTER DEVELOPMENT PATHS



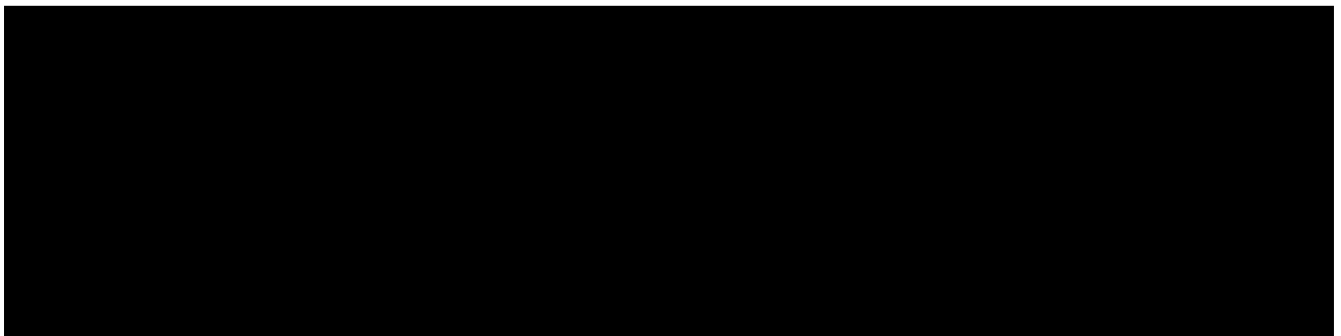
H-25 CHANGES TO THE INTEGRATED MASTER PLAN

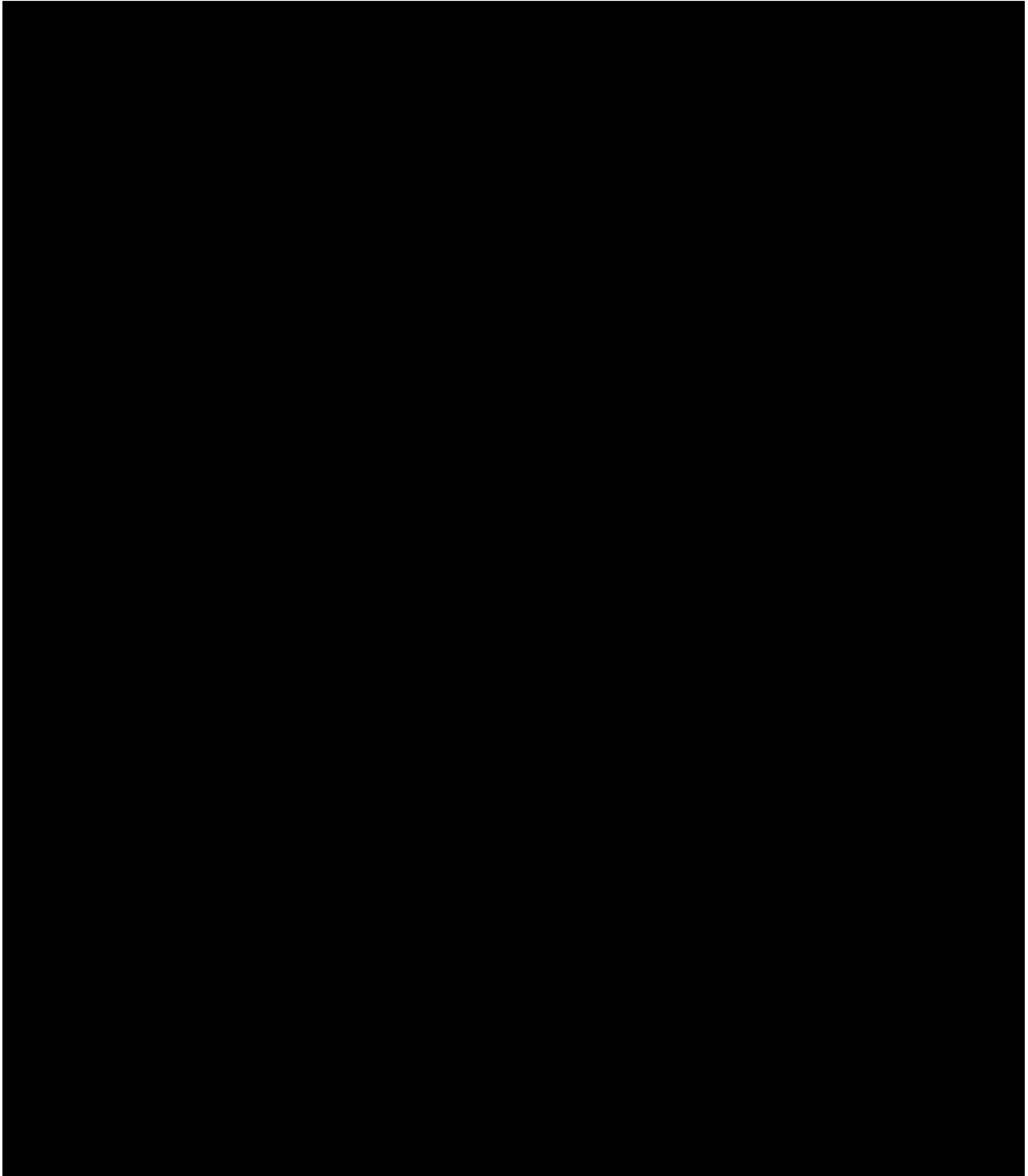
The Statement of Work (SOW, Section J, Attachment 1 to this contract) identifies the overall tasks the Contractor will perform to meet NMD requirements set forth in the NMD System Requirements Documents (see H-1, above). The Contractor's Integrated Master Plan (IMP, Section J, Attachment 2) identifies the manner in which the Contractor plans to perform SOW tasks. During the performance of the contract, it is envisioned that there may be changes to the IMP as the Contractor executes the NMD LSI Program. The Contractor shall control the configuration of the IMP and may make IMP changes PROVIDED that the IMP changes: (1) Do not change NMD performance requirements as stated in the NMD System Requirements Documents; (2) Do not change the completion criteria for milestone events set forth in Section F-2; (3) Do not change the basic tasks in the SOW; (4) Do not change the contract delivery schedule; and (5) Are documented in an IMP Change Notice (data item A007) before the change is implemented. The Government will review IMP changes submitted under data item A007. The Contractor may assume that IMP change notices submitted under A007 are approved unless notified to the contrary in writing by the PCO within 30 calendar days after receipt of the IMP change notice (A007).

H-26 GOVERNMENT TEST FACILITIES (OTHER THAN KMR)

The Contractor has requested the use of Government Test Facilities listed in Attachment 12 in the development of the NMD System. To the extent that such test facilities are part of the DoD Major Range and Test Facility Base (MRTFB), the Contractor shall submit and update Universal Documentation System (UDS) documents (e.g., Program Introduction, Program Requirement Document, Operational Requirement Document) to BMDO/JNT (information copy to BMDO/JNC) in sufficient time to schedule the use of the test facility. For non-MRTFB test facilities, the Contractor shall submit comparable information to BMDO/JNT (copy to BMDO/JNC) in sufficient time to schedule the use of the test facility. For both MRTFB and non-MRTFB test facilities, the Government will be responsible for funding the use of the test facilities.

H-27 GOVERNMENT PROPERTY

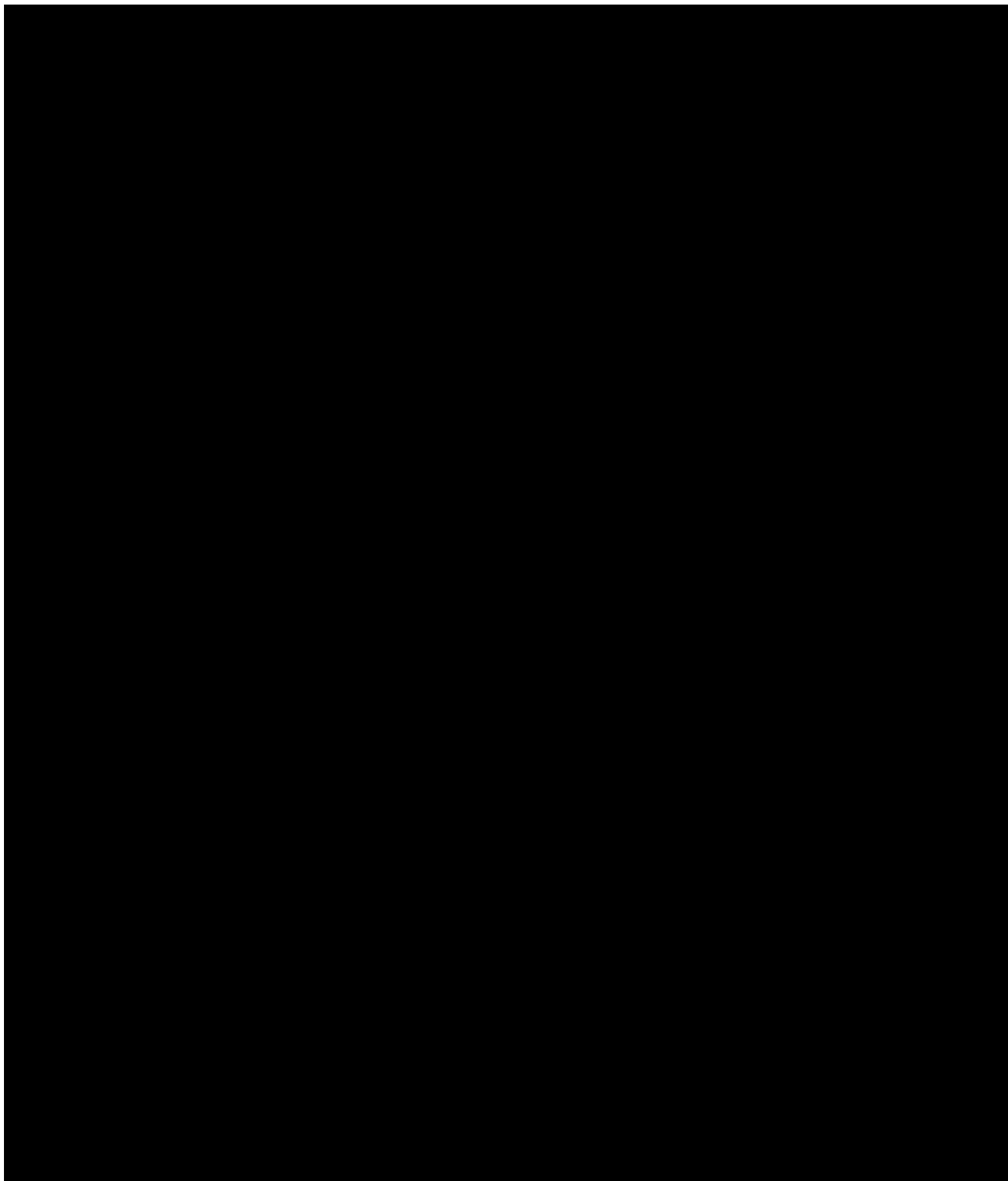


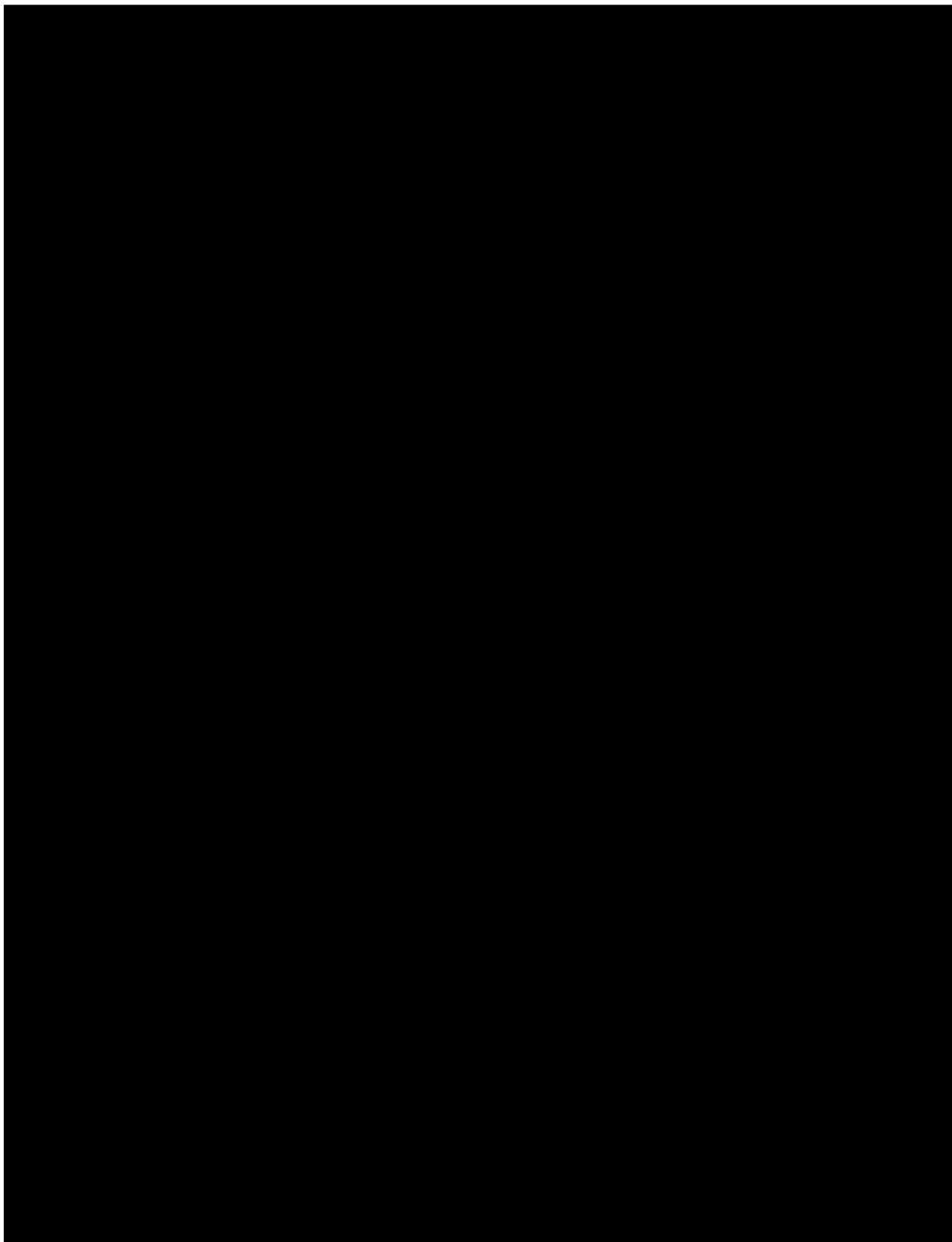


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H-28 RESPONSIBILITY FOR REPLACEMENT OF GOVERNMENT PROPERTY

a. When commercial items (e.g., desk top computers and components) provided to the Contractor under this contract (or transferred from previous contracts) wear out or become obsolete, the Government will not replace them. To the extent that such property is still required for the performance of this contract, the Contractor shall be responsible for the replacement of these items. The costs of replacement shall be allowable under this contract to the extent consistent with the Contractor's disclosed accounting practices and no modification to the contract shall be issued. This requirement to replace commercial items of Government property does not apply to Military Property (e.g., Minuteman), Special Tooling (ST), or Special Test Equipment (STE)—except that commercial components of STE (computers, general purpose oscilloscopes, etc.) shall be the responsibility of the Contractor to replace.

b. This special contract requirement shall not be applicable to any Integrated Systems Test Capability (ISTC) items set forth in Attachment 8(d)-GFP/GFE List.

H-29 BASE SUPPORT

a. Base support shall be provided to the Contractor on a no-charge-for-use basis as determined by the procedures set forth below. Base support includes Government-controlled working space, material, equipment, or other support (excluding use of the Defense Switched Network (DSN)) which the Government determines can be made available at, or through, Government installations where the Contractor performs work under this contract.

b. The Contractor has requested base support at the Government installations indicated in Attachment 9. The type, kind, and duration of base support requested is identified in Attachment 9. The Ballistic Missile Defense Organization Joint Program Office (BMDO JPO) shall work with the Contractor to document requested base support in the form and manner required by the affected Government installations (e.g., DD Form 1144, Support Agreement) to ensure that agreement is reached on providing base support. The target date for completion of all efforts and agreement upon the specific base support to be provided during the basic contract period is ninety (90) days after contract award. Base support for the Deployment Option and any additional base support required for the Continued Development Option shall be addressed six (6) months prior to the earliest Contractor need date for these options.

c. The Contractor expressly recognizes that the Government is not contractually required to provide base support except to the extent approved under the above procedures. The parties recognize that the base support customarily provided to Government contractors at the installations identified in Attachment 9 may vary depending on the current capabilities of the Government

installation. Deviations from the list of requested base support shall not be grounds for modifying this contract. However, in the event that all requested base support at a particular Government installation is denied or a significant item is denied that is critical to performance relating to a site, the Contractor shall be entitled to submit a request for equitable adjustment under this contract. Any such equitable adjustment shall be processed under the Changes clause of this contract.

H-30 TRAVEL AND TRAVEL COSTS

a. Costs incurred by Contractor personnel on official business are allowable, subject to the limitations contained in this clause. Costs for transportation may be based on mileage rates, actual costs incurred, or on a combination thereof, provided the method used results in a reasonable charge. Costs for lodging, meals, and incidental expenses may be based on per diem, actual expenses, or a combination thereof, provided the method used results in a reasonable charge.

b. Except as provided in FAR 31.205-46(a)(3), costs incurred for lodging, meals, and incidental expenses (as defined in the regulations cited) shall be considered reasonable and allowable to the extent that they do not exceed on a daily basis the maximum per diem rates in effect at the time of travel as set forth in:

(1) Federal Travel Regulations, prescribed by the General Services Administration, for travel in the conterminous 48 United States;

(2) Joint Travel Regulations, Volume 2, DoD Civilian Personnel, Appendix A, prescribed by the Department of Defense, for travel in Alaska, Hawaii, The Commonwealth of Puerto Rico, and territories and possessions of the United States; or,

(3) Standardized Regulations (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances for Foreign Areas," prescribed by the Department of State, for travel in areas not covered in (1) and (2) above.

c. This clause does not incorporate the regulations cited paragraphs (b)(1), (2), and (3) in their entirety. Only the maximum per diem rates, the definitions of lodging, meals, and incidental expenses, and the regulatory coverage dealing with special and unusual situations are incorporated herein.

d. The maximum per diem rates referenced in paragraph (b) of this clause generally would not constitute a reasonable daily charge:

(1) When no lodging costs are incurred; and/or

(2) On partial travel days (e.g., day of departure and return). Appropriate downward adjustments from the maximum per diem rates would normally be required under these circumstances. While these adjustments need not be calculated in accordance with the Federal Travel Regulations or Joint Travel Regulations, they must result in a reasonable charge.

e. Costs shall be allowable only if the following information is documented:

(1) Date and place (city, town, or other similar designation) of the expense;

(2) Purpose of the trip; and

(3) Name of the person on the trip and that person's title or relationship to the Contractor.

f. Travel costs incurred in the normal course of overall administration of the business are allowable and shall be treated as indirect costs.

g. Travel costs directly attributable to specific contract performance are allowable and may be charged to the contract under FAR 31.202

h. Airfare and rail fare costs in excess of the lowest customary standard, coach, or equivalent fare offered during normal business hours are unallowable, except when such accommodations require circuitous routing, require travel during unreasonable hours, excessively prolong travel, result in increased cost that would offset transportation savings, are not reasonably adequate for the physical or medical needs of the traveler, or are not reasonably available to meet mission requirements. However, in order for airfare or rail fare costs in excess of the above standard fare to be allowable, the applicable condition(s) set forth above must be documented and justified.

i. The costs of travel by contractor-owned, leased, or chartered aircraft and automobiles will be governed in accordance with FAR 31.205-46 (e) and (f).

H-31 INDEMNIFICATION AGAINST UNUSUALLY HAZARDOUS RISKS

a. **Definitions.** For the purpose of clause DFARS 252.235-7001, entitled "Indemnification Under 10 U.S.C. 2354—COST REIMBURSEMENT (DEC 1991)," it is agreed that risks arising out of or resulting from:

(1) The burning, explosion, or detonation of propellants (liquid, solid, or gaseous), their constituent components or their degradation products during preparation, mixing, storage, or loading;

(2) The burning, explosion, or detonation of liquid fueled rocket engines or solid fueled rocket motors during preparation, casting, curing, storing, testing, transporting, launch preparation, or launch;

(3) The burning, explosion or detonation of launch vehicles or their components during testing, transporting, launch preparation or launch;

(4) The toxic or other unusually hazardous properties of propellants (liquid, solid, or gaseous) or inert gases, their constituent ingredients, or their degradation products;

(5) The flight or surface impact of launch vehicles or components or fragments thereof; are "unusually hazardous risks", to the extent such risks arise out of performance of this contract.

b. **Applicability.** In addition to indemnification of the Contractor (including the McDonnell Douglas Aerospace subsidiary), the Contracting Officer has approved the flowdown of indemnification to the following subcontractors: Raytheon Electronic Systems, Alliant Techsystems Inc., Chemical Systems Division (CSD) of Pratt & Whitney, TRW Inc, and Lockheed Martin Missiles & Space (LMMS), a division of Lockheed Martin Corporation.

H-32 RESERVED

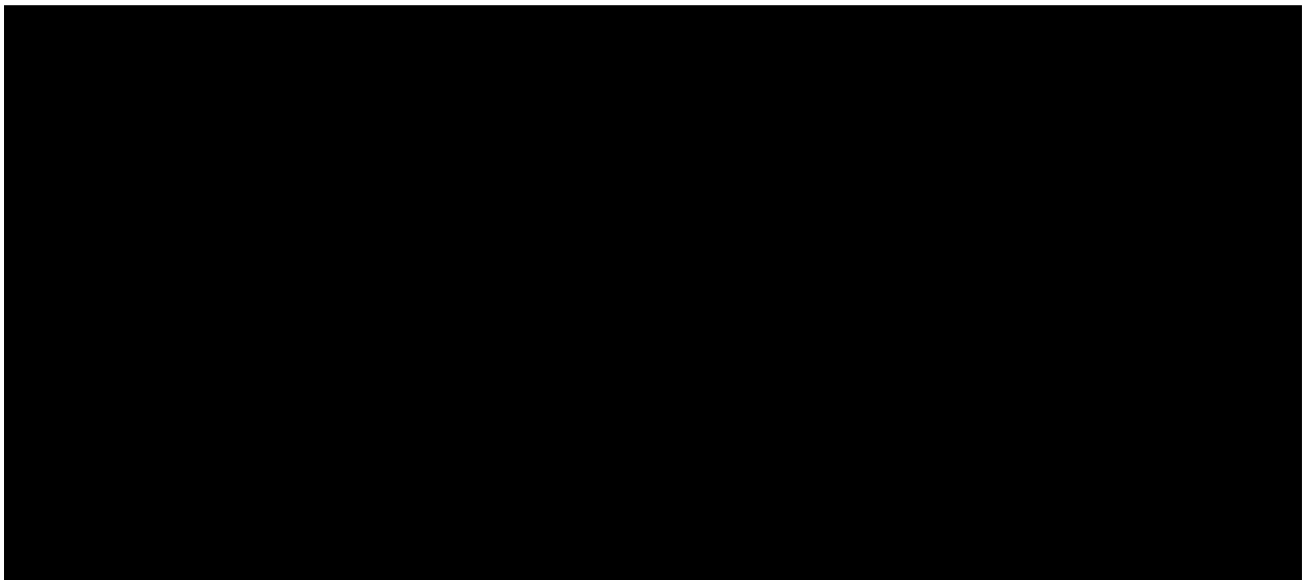
H-33 EARNED VALUE MANAGEMENT SYSTEM

a. The Government intends to use the Earned Value Management System, as described in DFARS 252.234-7001, in the management of this contract. The Contractor is required to submit a Cost Performance Report to measure the Contractor’s cost and schedule performance (CDRL A002). In planning and reporting performance data, the Contractor shall establish its performance budget so that the budgeted cost for each contract sub-element at level 2 and/or level 3 as appropriate, of the Contract Work Breakdown Structure (CWBS) is in line with the Section B sub-line item number (SubCLIN) value for the corresponding elements(s) as follows:

<u>SubCLIN</u>	<u>CWBS IDENTIFICATION</u>
000101	1.0, 2.0, 7.0, 8.0
000102	3.0
000103	4.0
000104	5.0
000105	6.0

b. Except for budget changes arising from contract modifications, if the Contractor believes it necessary to redistribute budget among SubCLINs, the Contractor shall notify the Contracting Officer in writing beforehand, describing the circumstances necessitating the redistribution. If the Contracting Officer concurs, or fails to respond in writing within fifteen calendar days from receipt of such notice, the Contractor may proceed with the redistribution. The change in SubCLIN values will be incorporated in a subsequent modification to the contract.

H-34 DUAL USE OF INTEGRATED SYSTEM TEST CAPABILITY (ISTC)



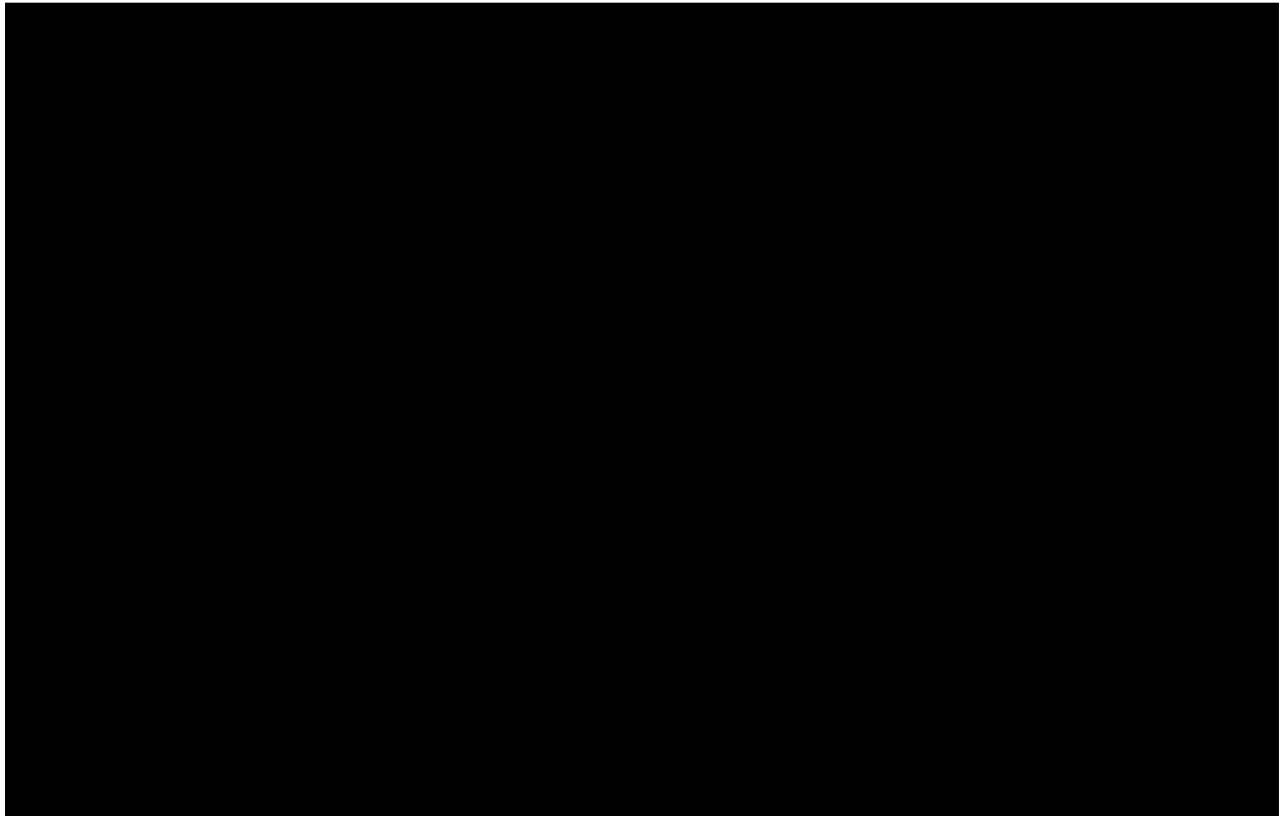
H-35 CONTRACTING OFFICER'S REPRESENTATIVES (CORs)

a. Pursuant to DFARs 252.201-7000, the Government has designated Contracting Officer's Representatives (CORs). Specifically, COR designations have been issued to the responsible Element Project Manager (EPM) for each SubCLIN.

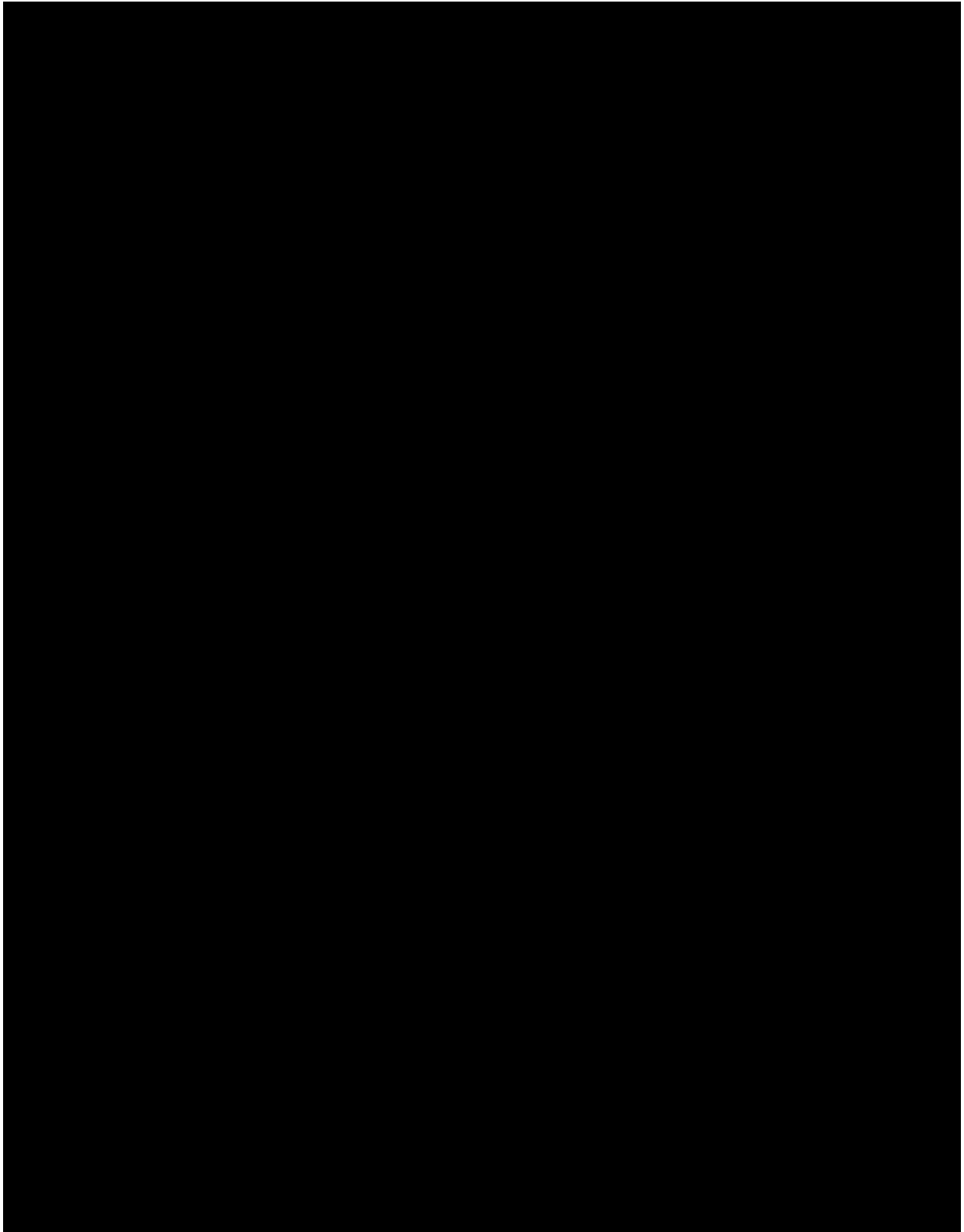
b. For the Basic Contract period, the contracting officer has issued designation letters to individuals occupying the positions listed below:

<u>CLIN SubCLIN</u>		<u>Position Title/Organization</u>	
0001	000101	NMD System	JN/I/BMDO
0001	000102	Interceptor	GBI EPM, HSV, AL
0001	000103	UEWRRadar	UEWR EPM, ESD, MA
0001	000104	XBR Radar	GBR EPM, HSV, AL
0001	000105	BMC3	JNB/BMDO
0003		NMD Special Studies & Analyses	JN/I/BMDO

H-36 YEAR 2000 COMPLIANCE



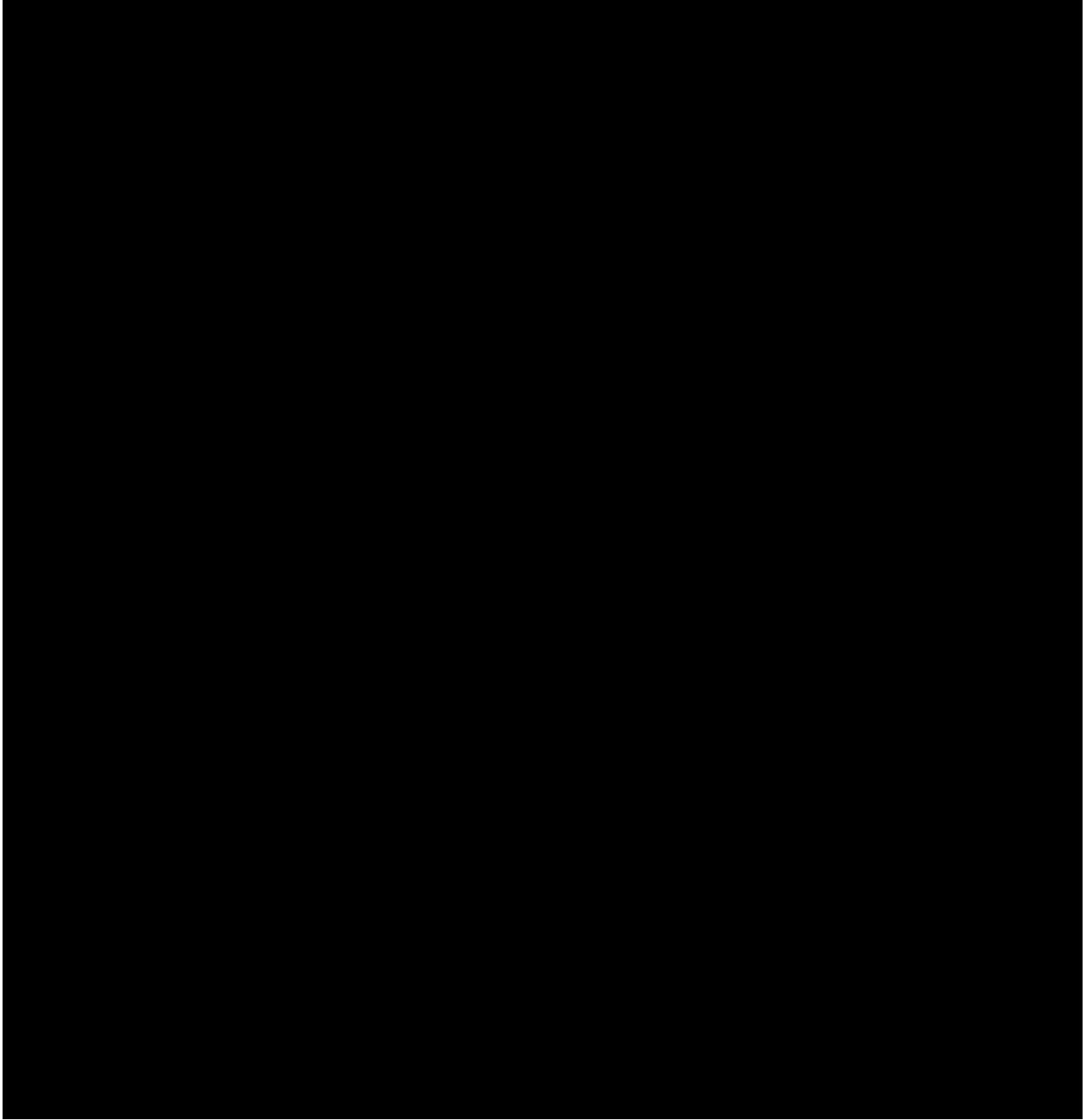
H-37 CONTRACT DEFINITIZATION OF NOT TO EXCEED AMOUNT



HQ0006-98-C-0003

P00067

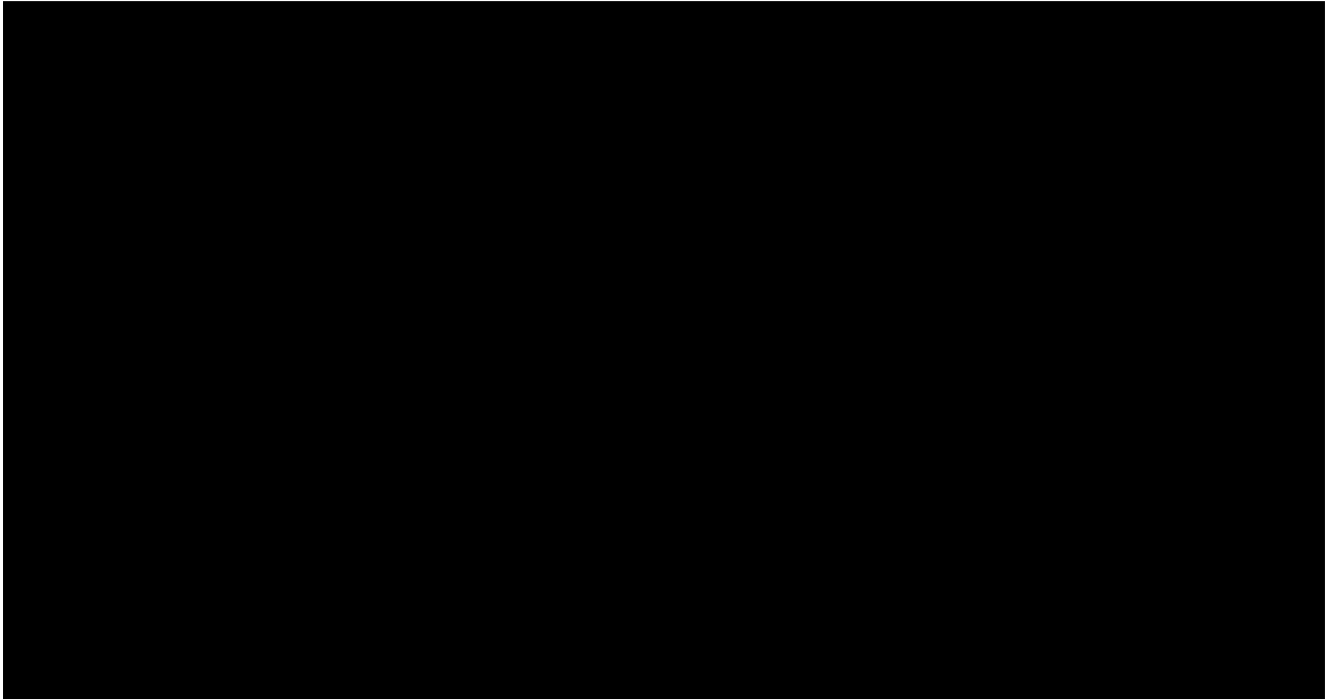
Page 50b of 58 (Next Page is 50c)



HQ0006-98-C-0003

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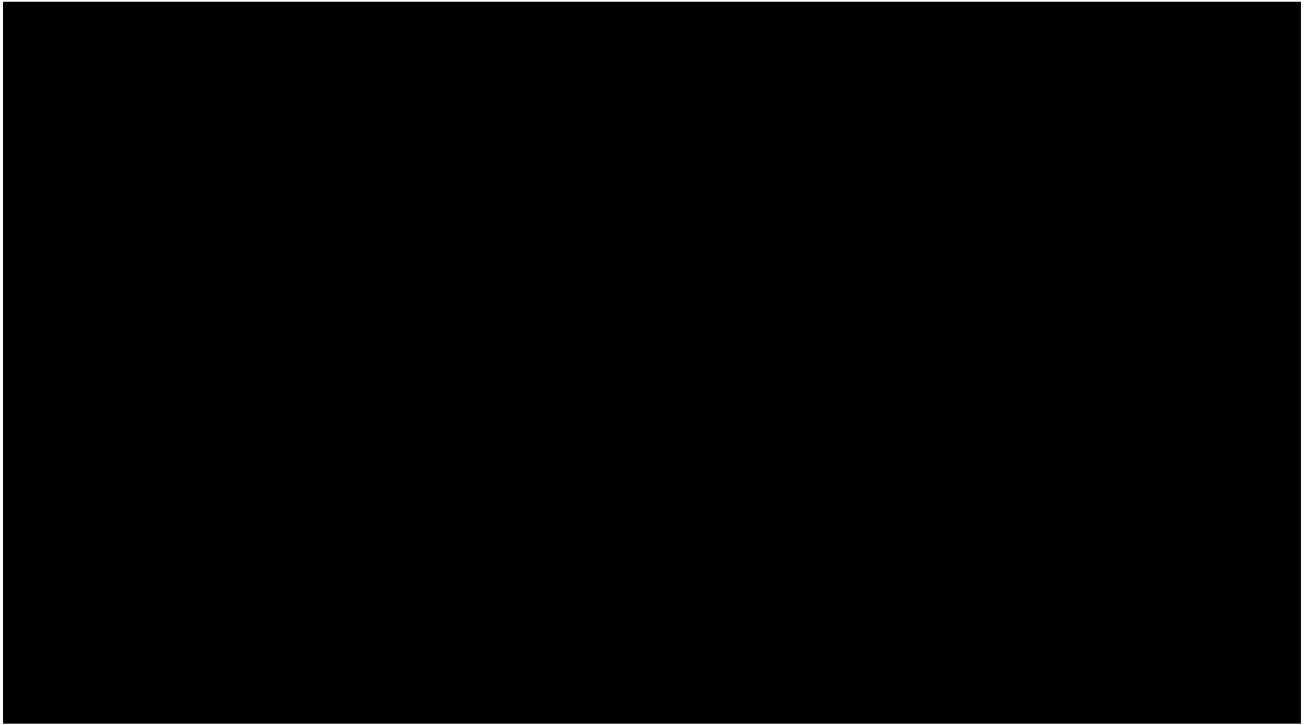
Page 50c of 58 (Next Page is 50d)



H0006-98-C-0003

P00067

Page 50d of 58 (Next Page is 50e)



H-38 TASK INSTRUCTIONS (CLIN 0003)

a. The procedures in this clause and Attachment 13, **Task Instruction Procedures**, shall apply to CLIN 0003 and 0004. The Contractor shall incur costs under these CLINs only in the performance of Task Instructions and revisions to instructions issued by the Contracting Officer. No other costs are authorized without the express written consent of the Contracting Officer. Only BMDO Contracting Officers are authorized to issue Task Instructions under CLIN 0003 and 0004 of this contract. All Task Instructions are subject to the terms and conditions of this contract; in the event of a conflict between a Task Instruction and this contract, the contract shall prevail.

b. Section B sets forth the estimated cost and award fee for One (1) Lot of Special Study and Analyses effort to be provided under CLIN 0003 and 0004. One (1) Lot is comprised of 25,000 Direct Productive Labor Hours (DPLH). A DPLH is defined as the prime or subcontractor actual labor hours (exclusive of vacation, holiday, sick leave and other absences) required to perform the task issued pursuant to this provision. The negotiated DPLH rate identified below includes the direct labor required to perform the task as well as CONUS travel cost, miscellaneous ODC, management and subcontractor management labor cost, administrative cost, and any associated burdens. The estimated number of DPLH multiplied by the DPLH rate is used to estimate the cost of a proposed Task Instruction. The DPLH rate does not include the Award Fee. The issuance of Task Instructions shall not exceed a cumulative amount of 25,000 DPLH during the period of performance specified in Section F.

Direct Productive Labor Hours: 25,000 hours

Direct Productive Labor Hour Rate: \$130.91

c. The Contractor shall use its best efforts to accomplish the tasks within the estimated cost set forth in the Task Instruction. The estimated number of DPLH hours in task instructions is for the purpose of tracking the quantity of effort ordered against the total pool of 25,000 DPHL hours for CLINs 0003 and 0004. The Contractor shall invoice the actual cost incurred for the Task Instruction effort in accordance with Section G of the contract. Any variance between the estimated cost and the actual cost on task instructions will not alter the available award fee for that task. Spending funds in excess of the funds authorized in the Task Instruction without notifying the Contracting Officer will adversely impact the award fee determination.

d. Task Instructions shall be issued by the Contracting Officer in writing in accordance with the procedures contained in Attachment 13 to this contract and shall include, but not be limited to, the following information:

- (1) effective date of Task Instruction;
- (2) contract and Task Instruction number;
- (3) description of the task to be performed;
- (4) description of the exit criteria and deliverable
- (5) identification of applicable Exhibit H CDRL items and, as applicable, the outline of the content of the final report (H001);
- (6) identification of items of Government Furnished Property, if not currently covered under the contract, for which access is required;
- (7) the period of performance for the task including due date(s) for CDRLs;
- (8) the estimated number of labor hours, including the contractor/subcontractor mix and labor hours. Note: Task Instructions under CLIN 0003 are issued as completion tasks. A task shall be considered complete when the completion criteria set forth in the government approved Task Plan is completed. The government's acceptance of the Task Plan shall be evidenced by the PCO signature in Block 10 of the Task Instructions;
- (9) the total estimated cost plus award fee; and
- (10) the Accounting Classification Reference Number (ACRN) applicable to the task.

e. Task Instructions may be amended orally by the Contracting Officer in emergency circumstances; oral amendments shall be confirmed by issuance of a written Task Instruction within five working days from the time of the oral communication amending the instruction.

f. Payment of Award Fee for Task Instructions will be made in accordance with SCR H-23, entitled "Award Fee." To the extent that Task Instructions are issued during each Award Fee Period as set forth in H-23, the Contracting Officer shall modify the contract from time to time, but not later than the end of the Award Fee period to add the Maximum Available Award Fee for each Task Instruction issued during the Award Fee Period to the Fee Pool. If no Task Instructions are issued during a given Award Fee period, there shall be no additions to the Fee Pool during that period. If at the end of the task instruction period of performance, the Contractor has not completed the task, the Government may reduce the award fee retroactively to reconcile the fee entitlement. Spending funds in excess of the funds authorized in the Task Instruction without notifying the Contracting Officer will adversely impact the award fee determination.

g. Nothing in this special contract requirement shall be construed to constitute authorization for the work not in accordance with clause FAR 52.232-22, Limitation of Funds.

H-39 EXPORT OF TECHNICAL DATA AND DEFENSE SERVICES IN THE CONDUCT OF NMD ACTIVITIES

- a. In the performance of the contract Statement of Work, The LSI Contractor and its Subcontractors will be expected to support the Ballistic Missile Defense Organization (BMDO) in its activities with foreign entities and/or persons. This activity could include the export of defense services and/or technical data, including classified information as long as that information does not disclose the details of design, development, production or manufacture of any defense article.
- b. When directed in writing from the Contracting Officer or from the Deputy for Systems Integration (JN/I/BMDO), the LSI Contractor, acting as an agent of BMDO for the purposes of export control, shall export on behalf of BMDO technical data to a named foreign entity or persons in the manner and under the conditions provided for in the direction.
- c. When, in the performance of this contract, the need arises for the LSI Contractor and its Subcontractors to export defense services, the LSI Contractor and its Subcontractors shall export those services subject to the applicable requirements of the U.S. export control laws and regulations.
- d. Nothing in this clause shall affect the protection or allocation of rights to technical data between BMDO and the LSI Contractor or any Subcontractors as provided for in this contract or subcontract hereunder; nor shall this clause affect the scope of any license otherwise granted to the Government or the recipient of the transferred or disclosed technical data.
- e. Transfer of all technical data must follow the provisions of the Internal Control Plan currently under development by the LSI Contractor. Nothing in this clause shall relieve the contractor from compliance with the U. S. export control laws and regulations.
- f. The LSI Contractor shall include this clause in all subcontracts at any tier (suitably modified to reflect the relationship of the parties), the performance of which may require the export of technical data and/or defense services, and the LSI Contractor may direct an export on behalf of BMDO subject to the limitations stated herein.

PART II - CONTRACT CLAUSES

SECTION I - CONTRACT CLAUSES

I-1 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://farsite.hill.af.mil/>.

a. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
52.202-1	Definitions	OCT 1995
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions on Subcontractor Sales to the Government	JUL 1995
	Alternate I	OCT 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity	JAN 1997
52.203-12	Limitation on Payments to Influence Certain Federal Transactions	JUN 1997
52.204-2	Security Requirements	AUG 1996
52.204-4	Printing/Copying Double-Sided on Recycled Paper	JUN 1996
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-15	Defense Priority and Allocation Requirements	SEP 1990
52.215-2	Audit and Records—Negotiation	AUG 1996
	Alternate II	JAN 1997
52.215-23	Price Reduction for Defective Cost or Pricing Data - Modifications	OCT 1995
52.215-25	Subcontractor Cost or Pricing Data -Modifications	OCT 1995
52.215-27	Termination of Defined Benefit Pension Plans	MAR 1996
52.215-33	Order of Precedence	JAN 1986
52.215-39	Reversion or Adjustment of Plans for Post-Retirement Benefits Other Than Pensions (PRB)	MAR 1996
52.215-40	Notification of Ownership Changes	FEB 1995
52.216-7	Allowable Cost and Payment	FEB 1998

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
52.216-23	Execution And Commencement Of Work (Insert "TBD")(Applicable to CLINs 0102, 0112, and 0122 only)	APR 1984
52.216-24	Limitation Of Government Liability (Insert "TBD" in paragraphs a and b) (Applicable to CLINs 0102, 0112, and 0122 only)	APR 1984
52.216-25	Contract Definitization (Insert "Cost-Plus-Award Fee in paragraph a". Insert "180 days after Request for Proposal, TBD, TBD" in paragraph b.) (Applicable to CLINs 0102, 0112, and 0122 only)	OCT 1997
52.216-26	Payments Of Allowable Costs Before Definitization (Applicable to CLINs 0102, 0112, and 0122 only)	APR 1984
52.217-8	Option to Extend Services	AUG 1989
52.219-8	Utilization of Small, Small Disadvantaged and Women-Owned Small Business Concerns	JUN 1997
52.219-9	Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan Alternate II	AUG 1996 MAR 1996
52.219-16	Liquidated Damages-Subcontracting Plan	OCT 1995
52.222-1	Notice to the Government of Labor Disputes	FEB 1997
52.222-2	Payment for Overtime Premiums (Insert (0) in paragraph (a))	JUL 1990
52.222-3	Convict Labor	AUG 1996
52.222-26	Equal Opportunity	FEB 1999
52.222-28	Reserved	
52.222-35	Affirmative Action for Special Disabled and Vietnam Era Veterans	APR 1984
52.222-36	Affirmative Action for Handicapped Workers	APR 1984
52.222-37	Employment Reports on Special Disabled Veterans and Veterans of the Vietnam Era	JAN 1988
52.223-2	Clean Air and Water	APR 1984
52.223-3	Hazardous Material Identification and Material Safety Data (Insert TBD in paragraph (b))	JAN 1997
52.223.5	Pollution Prevention and Right-To-Know Information	MAR 1997
52.223-6	Drug-Free Workplace	JAN 1997
52.223-7	Notice of Radioactive Materials (Insert 30 in paragraph (a))	JAN 1997
52.223-11	Ozone-Depleting Substances	JUN 1996
52.223.12	Refrigeration Equipment and Air Conditioners	MAY 1995
52.223-14	Toxic Chemical Release Reporting	OCT 1996
52.225-10	Duty-Free Entry	APR 1984
52.225-11	Restrictions on Certain Foreign Purchases	OCT 1996

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
52.226-1	Utilization of Indian Organizations and Indian-Owned Economic Enterprises	SEP 1996
52.227-1	Authorization and Consent Alternate I	JUL 1995 APR 1984
52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement	AUG 1996
52.227-10	Filing of Patent Applications - Classified Subject Matter	APR 1984
52.227-12	Patent Rights--Retention by the Contractor (Long Form)	JAN 1997
52.228-7	Insurance - Liability to Third Persons	MAR 1996
52.230-2	Cost Accounting Standards	APR 1996
52.230-6	Administration of Cost Accounting Standards	APR 1996
52.232-9	Limitation on Withholding of Payments	APR 1984
52.232-17	Interest	JUN 1996
52.232-22	Limitation of Funds	APR 1984
52.232-23	Assignment of Claims	JAN 1986
52.232-25	Prompt Payment	JUN 1997
52.232-33	Mandatory Information for Electronic Funds Transfer Payment	AUG 1996
52.233-1	Disputes) Alternate I	OCT 1995 DEC 1991
52.233-3	Protest After Award Alternate I	AUG 1996 JUN 1985
52.237-2	Protection of Government Buildings, Equipment, and Vegetation	APR 1984
52.237-3	Continuity of Services	JAN 1991
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-3	Penalties for Unallowable Costs	OCT 1995
52.242-4	Certification of Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.243-2	Changes – Cost Reimbursement Alternate V	AUG 1987 APR 1984
52.243-6	Change Order Accounting (Not applicable to Option CLIN 0201 or any of its SubCLINs)	APR 1984
52.243-7	Notification of Changes (Insert “30” in paragraph (b); Insert “30” in paragraph (d))	APR 1984

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
52.244-2	Subcontracts (Insert "None" in paragraph (e); Insert "None" in paragraph (k)) Alternate I	AUG 1998 AUG 1998
52.244-5	Competition in Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items and Commercial Components	OCT 1995
52.245-5	Government Property (Cost-Reimbursement, Time and Material, or Labor-Hour Contracts)	JAN 1986
52.245-18	Special Test Equipment	FEB 1993
52.246-23	Limitation of Liability	FEB 1997
52.246-25	Limitation of Liability - Services	FEB 1997
52.247-1	Commercial Bills of Lading Notations (Insert "DoD Ballistic Missile Defense Organization" in paragraphs (a) and (b))	APR 1984
52.247-63	Preference for U.S. Flag Air Carriers	JAN 1997
52.247-67	Submission of Commercial Air Transportation Bills to GSA for Audit	JUN 1997
52.249-6	Termination (Cost- Reimbursement)	SEP 1996
52.249-14	Excusable Delays	APR 1984
52.251-1	Government Supply Sources	APR 1984
52.253-1	Computer Generated Forms	JAN 1991

**b. DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION
SUPPLEMENT (48 CFR CHAPTER 2)**

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
252.201-7000	Contracting Officer's Representative	DEC 1991
252.203-7001	Special Prohibition on Employment	JUN 1997
252.203-7002	Display of DoD Hotline Poster	DEC 1991
252.204-7000	Disclosure of Information	DEC 1991
252.204-7003	Control of Government Personnel Work Product	APR 1992
252.205-7000	Provision of Information to Cooperative Agreement Holders	DEC 1991
252.208-7000	Intent to Furnish Precious Metals as Government-Furnished Material (Insert "The Contractor shall identify their requirements when the need is known" in paragraph (b))	DEC 1991
252.209-7000	Acquisition From Subcontractors Subject to On-site Inspection Under the Intermediate-Range Nuclear Forces (INF) Treaty	NOV 1995
252.211-7000	Acquisition Streamlining	DEC 1991

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>
252.215-7000	Pricing Adjustments	DEC 1991
252.219-7004	Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (Test Program)	JUN 1997
252.219-7005	Incentive for Subcontracting with Small Businesses, Small Disadvantaged Businesses, Historically Black Colleges and Universities, and Minority Institutions	NOV 1995
252.223-7001	Hazard Warning Labels (Insert TBD in paragraph (c))	DEC 1991
252.223-7002	Safety Precautions for Ammunitions and Explosives	MAY 1994
252.223-7004	Drug-Free Work Force	SEP 1988
252.223-7006	Prohibition on Storage and Disposal of Toxic and Hazardous Materials	APR 1993
252.223-7007	Safeguarding Sensitive Conventional Arms, Ammunition, and Explosives (Insert TBD in paragraph (b))	FEB 1996
252.225-7012	Preference for Certain Domestic Commodities	SEP 1997
252.225-7014	Preference for Domestic Specialty Metals	FEB 1997
252.225-7016	Restriction on Acquisition of Ball and Roller Bearings	FEB 1998
252.225-7022	Restriction on Acquisition of Polyacrylonitrile (PAN) Based Carbon Fiber	JUN 1997
252.225-7026	Reporting of Contract Performance Outside the United States	NOV 1995
252.225-7030	Restriction on Acquisition of Carbon, Alloy, and Armor Steel Plate	OCT 1992
252.225-7031	Secondary Arab Boycott of Israel	JUN 1992
252.227-7013	Rights in Technical Data -Noncommercial Items	NOV 1995
252.227-7014	Rights In Noncommercial Computer Software And Non-commercial Computer Software Documentation	JUN 1995
252.227-7016	Rights in Bid or Proposal Information	JUN 1995
252.227-7019	Validation of Asserted Restrictions - Computer Software	JUN 1995
252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	JUN 1995
252.227-7027	Deferred Ordering of Technical Data or Computer Software	APR 1988
252.227-7030	Technical Data - Withholding of Payment	OCT 1988
252.227-7034	PatentsSubcontracts	APR 1984
252.227-7036	Certification of Technical Data Conformity	JAN 1997
252.227-7037	Validation of Restrictive Markings on Technical Data	NOV 1995
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-7006	Reduction or Suspension of Contract Payments Upon Finding of Fraud	AUG 1992

<u>CLAUSE NO.</u>	<u>TITLE</u>	<u>DATE</u>																								
252.234-7001	Earned Value Management System Insert the following subcontractors in paragraph (f) of the clause: Northrop Grumman; Raytheon Company; Teledyne Brown Engineering; TRW Strategic Systems Division; United Technologies Corp.; and Xon Tech, Inc.	MAR 1997																								
252.235-7003	Frequency Authorization Alternate 1	DEC 1991 DEC 1991																								
252.235-7001	Indemnification Under 10 U.S.C. 2354—Cost Reimbursement	DEC 1991																								
252.235-7010	Acknowledgment of Support and Disclaimer	MAY 1995																								
252.235-7011	Final Scientific or Technical Report (Change the DTIC address to: DTIC-OMI 8725 John J Kingman Rd Suite 9044 Ft Belvoir VA 22060-6218)	MAY 1995																								
252.242-7000	Postaward Conference	DEC 1991																								
252.242-7004	Material Management and Accounting System	SEP 1996																								
252.243-7000	Engineering Change Proposals	JUL 1997																								
252.245-7001	Reports of Government Property	MAY 1994																								
252.247-7023	Transportation of Supplies by Sea	NOV 1995																								
252.247-7024	Notification of Transportation of Supplies by Sea	NOV 1995																								
252.249-7000	Special Termination Costs Insert the following in the blank in paragraph (c): “During each quarter ending with the end of the month indicated, any Contractor claim for special termination costs shall not exceed the following amounts (\$ in millions): <table><tr><td><u>Dec 98</u></td><td><u>Mar 99</u></td><td><u>Jun 99</u></td><td><u>Sep 99</u></td><td><u>Dec 99</u></td><td><u>Mar 00</u></td></tr><tr><td>\$41.8</td><td>\$50.8</td><td>\$63.2</td><td>\$75.9</td><td>\$75.0</td><td>\$68.9</td></tr><tr><td><u>Jun 00</u></td><td><u>Sep 00</u></td><td><u>Dec 00</u></td><td><u>Mar 01”</u></td><td></td><td></td></tr><tr><td>\$58.3</td><td>\$51.1</td><td>\$46.9</td><td>\$ 0</td><td></td><td></td></tr></table>	<u>Dec 98</u>	<u>Mar 99</u>	<u>Jun 99</u>	<u>Sep 99</u>	<u>Dec 99</u>	<u>Mar 00</u>	\$41.8	\$50.8	\$63.2	\$75.9	\$75.0	\$68.9	<u>Jun 00</u>	<u>Sep 00</u>	<u>Dec 00</u>	<u>Mar 01”</u>			\$58.3	\$51.1	\$46.9	\$ 0			DEC 1991
<u>Dec 98</u>	<u>Mar 99</u>	<u>Jun 99</u>	<u>Sep 99</u>	<u>Dec 99</u>	<u>Mar 00</u>																					
\$41.8	\$50.8	\$63.2	\$75.9	\$75.0	\$68.9																					
<u>Jun 00</u>	<u>Sep 00</u>	<u>Dec 00</u>	<u>Mar 01”</u>																							
\$58.3	\$51.1	\$46.9	\$ 0																							
252.251-7000	Ordering From Government Supply Sources	MAY 1995																								

I-2 FAR 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT 1995)

a. Definition.

Commercial item, as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

Subcontract, as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

b. To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

c. Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

- (1) 52.222-26, Equal Opportunity (E.O. 11246);
- (2) 52.222-35, Affirmative Action for Special Disabled and Vietnam Era Veterans (38 U.S.C. 4212(a));
- (3) 52.222-36, Affirmative Action for Handicapped Workers (29 U.S.C. 793); and
- (4) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996).

d. The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

I-3 **52.216-24 Limitation of Government Liability. (APR 1984) (Applicable to Special Contract Requirement H-37)**

- (a) Modification P00010 definitized by modification P00026.
- (b) Modification P00010 definitized by modification P00026.
- (c) Modification P00011 definitized by modification P00050.
- (d) Modification P00011 definitized by modification P00050.
- (e) Modification P00016 definitized by modification P00037.
- (f) Modification P00016 definitized by modification P00037.

- (g) Modification P00023, (MCR 10), definitized by Modification P00056.
- (h) Modification P00023, (MCR 10), definitized by Modification P00056.
- (i) Modification P00024, SRD (MCR 11), definitized by Modification P00057.
- (j) Modification P00024, SRD (MCR 11), definitized by Modification P00057.
- (k) Modification P00025, ISTC (MCR 4), definitized by Modification P00051.
- (l) Modification P00025, ISTC (MCR 4), definitized by Modification P00051.
- (m) Modification P00035, KMR Housing (MCR 0064), definitized by Modification P00046.
- (n) Modification P00035, KMR Housing (MCR 0064), definitized by Modification P00046.
- (o) Modification P00044 for Kill Vehicle effort (MCR 009), definitized by Modification P00065.
- (p) Modification P00044 for Kill Vehicle effort (MCR 009), definitized by Modification P00065.
- (q) Modification P00044 for EWR Receiver/Exciter (REX) Replacement (MCR 025), definitized by Modification P00065.
- (r) Modification P00044 for EWR ReceiverExciter (REX) Replacement (MCR 025), definitized by Modification P00065.

(s) Modification P00044 for EWR Multipurpose Processors (MCR 060), definitized by Modification P00065.

(t) Modification P00044 for EWR Multipurpose Processors (MCR 060), definitized by Modification P00065.

(u) Modification P00044 for Additional UEWR Source Lines of Code (MCR 061), definitized by Modification P00065.

(v) Modification P00044 for Additional UEWR Source Lines of Code (MCR 061), definitized by Modification P00065.

(w) Modification P00044 for UEWR Test Article (UTA-I) Integrated Systems Test Capability (ISTC) (MCR 077), definitized by Modification P00065.

(x) Modification P00044 for UEWR Test Article (UTA-I) Integrated Systems Test Capability (ISTC) (MCR 077), definitized by Modification P00065.

(y) Modification P00051 Part II, Integrated Systems Test Capability (ISTC) - 2 (ISTC Expanded) (MCR 140), definitized by Modification P00063.

(z) Modification P00051 Part II, Integrated Systems Test Capability (ISTC) - 2 (ISTC Expanded) (MCR 140), definitized by Modification P00063.

(aa) Modification P00055 for Hardware In-The-Loop (HWIL) (MCR 068), definitized by Modification P00067.

(ab) Modification P00055 for Hardware In-The-Loop (HWIL) (MCR 068), definitized by Modification P00067.

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**SECTION J - LIST OF ATTACHMENTS**

Exhibits A	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Basic, 86 pages, dated 07/03/00
Exhibits B	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Continuing Development #1 (C1U1), 14 pages, dated 03/18/98
Exhibits C	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Deployment, 17 pages, dated 03/30/00
Exhibits D	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Continuing Development #2 (C1U2), 12 pages, dated 03/18/98
Exhibits E	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Continuing Development #3 (C2 Upgrade), 61 pages, dated 03/01/99
Exhibits F	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Initial Sustainment, 15 pages , dated 03/01/99
Exhibits G	Contract Data Requirements Lists (CDRLs) Instructions and NMD CDRLs for Common Support, 71 pages, dated 03/01/99
Exhibits H	NMD CDRLs for Special Studies and Analyses, 4 pages, dated 08/19/99
Attachment 1	Statement of Work entitled "National Missile Defense (NMD) Lead System Integrator (LSI) Statement of Work", 149 pages; Addendum 1, 5 pages; Addendum 2 , 3 pages; dated 11/28/00.

Attachment 2	Integrated Master Plan (IMP), 460 pages, dated 10/12/99 (Note: The IMP consists of 224 pages, Appendix A consists of 230 pages, and Appendix B consists of 6 pages. Within Appendix A, the following 17 page numbers are not used:
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A-26	A-48	A-76	A-120	A-148	A-190
A-32	A-58	A-104	A-128	A-158	A-212
A-42	A-66	A-114	A-136	A-180	

Within Appendix A, the following 24 additional page numbers are used:

A-8a	A-60a	A-84a	A-128b	A-128f	A-177a
A-30a	A-64a	A-84b	A-128c	A-128g	A-178a
A-36a	A-70a	A-126a	A-128d	A-128h	A-202a
A-36b	A-70b	A-128a	A-128e	A-166a	A-202b

SECTION J - LIST OF ATTACHMENTS

Attachment 3	Contract Work Breakdown Structure (CWBS), 29 pages, dated 10/12/99
Attachment 4	Contract Security Classification Specification (DD Form 254), Revision No. 2, 9 pages, dated 04/07/00
Attachment 5	Boeing "Corporate Small Business and Small Disadvantaged Business Subcontracting Plan Document No. 9-4401," 79 pages, dated 12/22/97
Attachment 6	List of Less Than Unlimited Rights Technical Data, 4 pages, dated 03/30/00
Attachment 7	List of Less Than Unlimited Rights Computer Software and Documentation, 10 pages, dated 03/30/00
Attachment 8	Government Property List for NMD LSI Contract, 136 pages; List 8a, 9 pages, dated 03/30/00; List 8b, 1 page, dated 09/17/99; and List 8c, 72 pages, undated.
Attachment 9	Base Support Requirements Document and National Ranges and Test Facilities Requirements List, 108 pages, dated 03/18/98
Attachment 10	OCI Analysis/Disclosure Form, 3 pages
Attachment 11	Award Fee Determination Plan, 12 pages, dated 10/27/99
Attachment 12	Government Test Facilities (USAKA/KMR & Others), List 12a dated 10/13/99, 9 pages; List 12b dated 10/13/99, 10 pages.
Attachment 13	Task Instructions, 3 pages, dated 08/19/99
Attachment 14	Reserved
Attachment 15	Reserved
Attachment 16	Reserved

NMD LSI CDRLs

July 3, 2000 |

INTRODUCTION TO THE CDRL EXHIBITS

We have aligned the Contract Data Requirements Lists (CDRLs) with the Contract Line Item Numbers (CLINs), Period of Performance, Statement of Work and CWBS as follows:

<u>CLINs</u>	<u>Exhibit</u>	<u>Description of Period of Performance</u>	<u>Statement of Work References</u>
0001, 0002*	A	Basic	Section 3, paras. 3.1.0 - 3.8.6
0101, 0102, 103*	B	Continuing Development #1 (C1U1)	Section 4, paras. 4.1.0 - 4.8.6
0111, 0112, 113*	D	Continuing Development #2 (C1U2)	Section 5, paras. 5.1.0 - 5.8.6
0121, 0122, 123*	E	Continuing Development #3 (C2) and DOSP #3	Section 6, paras. 6.1.0 - 6.8.6 and Section 10, paras. 10.1.0 - 10.8.6
0131, 0132*	G	Common CLIN	Section 7, paras. 7.1.0 - 7.8.6
0201/0202*	C	Deployment	Section 8, paras. 8.1.0 - 8.8.6
0203/0204*	F	Sustainment (Only the 8.0 CWBS)	Section 9, paras. 9.8.0 - 9.8.6

*These are the Data and Reports CLINs

After the period of performance for the Common CLIN (Exhibit G) has ended, there are a few CDRL items that will be listed and delivered under Exhibit E for effort under Continued Development #3 and DOSP #3. After the period of performance for DOSP #3, there are a few CDRL items that will be listed and delivered as part of Sustainment (Exhibit F). In these cases, the actual CDRLs carry the appropriate period for delivery dates. This approach was taken to conform to the NMD LSI schedule requirements with regard to being able to support exercise of the Continuing Development Options and the Deployment Option, as needed during the seven years following the Basic Program.

The format for referencing the Statement of Work paragraphs follows this example:

Paragraph 3.2.6 refers to Specialty Engineering for the Basic period.

The first number, “3” indicates the period of performance (**3 is for Basic, 4 through 6 is for Continuing Development periods #1 - #3 respectively, 7 is for the Common effort, 8 is for Deployment, 9 is for Sustainment and 10 is for DOSP #3**). The second number, “2” indicates IPT and the associated CWBS set of numbers, i.e., 2 is System Engineering and CWBS 2.6 is Specialty Engineering.

We have also developed some non-CDRL data products to support the goals of the NMD LSI Program. These are called Accessible Data Products (ADPs). The ADP Listing is part of 1.2-1 Data Management (Table 1.2-1) of the Integrated Master Plan (IMP). These data products will not be delivered to the customer’s server or submitted as hard copies, but will be accessible to the customer via the Team Integration Network System (TINS).

LSI EXEC. PHASE PRIME CONTRACT DATA PRODUCTS - CDRL'S (REV.)

CDRL Seq#	**CDRL's	DID Ref (DI-)	*Data Type	Responsible Team	EXHIBIT OPTIONS					
					CONT. DEVELOPM'T & ASSOC. DOSP CLIN'S		DEPLOYM'T	SUSTAINM'T	COMMON	
					B	D	E	C	F	G
A001	Contract Funds Status Report (CFSR)	MGMT-81468	II	Bus. Mgmt			E001		F001	G001
C001	NMD Contractor Cost Data Report - DD1921-1 (NMD CCDR/1921-1)	F-6007/T	II	Bus. Mgmt				C001	F002	
A002	Cost Performance Report (CPR)	MGMT-81466/T	II	Bus. Mgmt			E002		F003	G002
A003	NMD Integrated Master Schedule (IMS)	MISC-81183A/T	II	Bus. Mgmt			E003		F004	G003
A004	NMD Integrated Master Plan (IMP) Update	MISC-80711/T	II	Bus. Mgmt						
G004	NMD Contractor Cost Data Report - DD1921 (NMD CCDR)	F-6006/T	II	Bus. Mgmt					F005	G004
A005	NMD System Life Cycle Cost Estimate (LCCE) Update	FNCL-80448/T	II	SE&I						G005
A006	NMD Program Protection Management Plan (NMD PPMP)	ADMN-81306/T	I	SE&I			E004			G006
A007	NMD Integrated Master Plan (IMP) Changes	MISC-80711/T	II	Bus. Mgmt						
A008	System Specification	IPSC-81431	I	SE&I			E005			G007
A009	NMD Integrated Test and Evaluation Plan (ITEP)	NDTI-81284/T	I	T&E			E006	C002		G008
A010	Ground and Flight Test Evaluation and Assessment Final Report	ATTS-81273/T	I	T&E			E007	C003		G009
A011	Deployment Readiness Review (DRR/RFP) Data Pack	ILSS-81335/T	I	SE&I	B001	D001	E008			
A012	Data Accession List/Internal Data	MISC-80711/T	II	Data Mgmt			E009		F006	G010
A013	Engineering Change Proposals (ECP)	CMAN-80400/T	I	SE&I			E010		F007	G011
A014	Weapon System Element Level A Specification	IPSC-81431/T	I	SE&I			E011			G012
A015	NMD Software Development Plan (SDP)	IPSC-81427/T	I	SE&I	B002	D002	E012			G013
A016	Risk Management Plan	MISC-80711/T	II	SE&I			E013			G014
A017	System Safety Program Plan	SAFT-80100A	II	D&S			E014			G015
A018	Parts Control Program Plan	MISC-80526B/T	I	SE&I			E015			G016
A019	Presentation Material for Meetings, Audits & Reviews	ADMN-81373/T	II	SE&I	B003	D003	E016	C004	F008	G017
A020	System/Subsystem Design Description	IPSC-81432	II	SE&I			E017			G018
A021	NMD Product Assurance Plan	QCIC -81198	II	SE&I						G019
A022	NMD External Interface Control Documents (ICD's)	MISC-80711/T	I	SE&I			E018			G020
A023	NMD Integration Plan	MISC-80711/T	I	SE&I			E019			G021
A024	Request for Deviation	CMAN-80640B/T	I	SE&I						G022
A025	Request for Waiver	CMAN-80641B/T	I	SE&I						G023
A026	NMD Nuclear Hardness and Survivability Program Plan	NUOR-80156A/T	I	SE&I			E020			G024
A027	DRR Criteria and Metrics	MISC-80711/T	I	SE&I	B004	D004	E021			
A028	System Acceptance and Turnover Plan	MISC-80711/T	I	D&S				C005		
A029	Operational Suitability Assessment Report	MISC-80711/T	II	D&S		D005	E022	C006	F009	
A030	System Consolidated Facilities Requirement Document (FRD)	MISC-80711/T	I	D&S			E023			G025
A031	Integrated Deployment Plan (IDP)	MISC-80711/T	I	D&S			E024			G026

LSI EXEC. PHASE PRIME CONTRACT DATA PRODUCTS - CDRL'S (REV.)

CDRL Seq#	**CDRL's	DID Ref (DI-)	*Data Type	Responsible Team	EXHIBIT OPTIONS					
					CONT. DEVELOPM'T & ASSOC. DOSP CLIN'S		DEPLOYM'T	SUSTAINM'T	COMMON	
					B	D	E	C	F	G
A032	Capstone Site Activation Plan (CSAP)	MGMT-80033	I	D&S			E025	C007		G027
A033	Integrated Logistics Support Plan (ILSP) - Update	ILSS-80095	I	D&S			E026			G028
A034	NMD System Training Plan (STP)	MISC-80711/T	I	D&S			E027			G029
A035	Safety Assessment Report (SAR) / Hazard Tracking System (HTS)	MISC-80711/T	I	T&E			E028			G030
A036	Range Safety Data Package	MISC-80711/T	I	T&E			E029			G031
A037	Technical Reports	MISC-80711/T	II	SE&I	B005	D006	E030	C008	F010	G032
A038	NMD Configuration Management Plan	CMAN-80858A/T	II	SE&I			E031			G033
A039	System Behavior Analysis Report	MISC-80711/T	II	SE&I			E032	C009		G034
A040	Information Architecture (IA)	MISC-80711/T	II	SE&I			E033	C010		G035
A041	NMD System Verification Plan	MNTY-81188/T	II	SE&I			E034	C011		G036
A042	Deleted in P00019									
F011	Annual Sustainment Review Report	MISC-80711/T	I	D&S					F011	
A043	Kill Vehicle Down Select Plan	MISC-80711/T	II	WS						
A044	Initial Sustainment Plan	MISC-80711/T	I	D&S				C012		G038
A045	Weapon System Test Plan	NDTI-80566/T	II	WS	B006	D007	E036			G039
A046	Weapon System Software Development Plan (SDP)	IPSC-81427T	II	WS	B007		E037			G040
A047	Weapon System Verification Plan	NDTI-80566/T	II	WS		D008	E038			
A048	BMC3 Element Level A Specification	IPSC-81431/T	I	SE&I	B008	D009	E039			G041
A049	BMC3 Software Development Plan (SDP)	IPSC-81427/T	II	BMC3	B009		E040			G042
A050	BMC3 Test Plan	NDTI-80566/T	II	BMC3			E041			G043
A051	BMC3 Verification Plan	MNTY-81188/T	II	BMC3			E042			G044
A052	XBR Element Level A Specification	IPSC-81431/T	I	SE&I			E043			G045
A053	XBR Software Development Plan (SDP)	IPSC-81427/T	II	Sensors	B010					G046
A054	XBR Verification Plan	MNTY-81188/T	II	Sensors						G047
A055	XBR Test Plan	NDTI-80566/T	II	Sensors						G048
A056	UEWR Element Level A Specification	IPSC-81431/T	I	SE&I						G049
A057	UEWR Software Development Plan (SDP)	IPSC-81427/T	II	Sensors	B011					G050
A058	UEWR Verification Plan	MNTY-81188/T	II	Sensors						G051
A059	UEWR Test Plan	NDTI-80566/T	II	Sensors						G052
A060	Final Report, Basic Contract	MISC-80711/T	I	SE&I						
A061	Reserved									
A062	Reserved									
A063	Inputs to NMD Cost Analysis Requirements Descriptions (CARDs)	MISC-80711/T	I	SE&I						
A064	Reserved									
A065	NMD Contractor Cost Data Report - DD1921 (NMD CDR)	DI-FNCL-81565	II	Bus. Mgmt					F005	G004

* Type I = BMDO Approval Required, initial issue and updates, Type II= Information only

**CDRL's-Compliance with referenced DID's / Tailored DID's is mandatory

NOTE: CDRL's A001 thru A007, A012, A027, A065 and C001, G004 are DOD mandatory.

PRIMARY RESPONSIBILITY LISTING FOR LSI EXEC. PHASE PRIME CONTRACT DATA PRODUCTS - CDRL'S

										EXHIBIT OPTIONS					
CDRL #	CDRL Title	BUS. MGMT.	SE&I	D&S	T&E	WS	BMC3	XBR	UEWR	CONT. DEVELOPM'T & ASSOC. DOSP CLIN'S			DEPLOYM'T	SUSTAINM'T	COMMON
										B	D	E	C	F	G
A001	Contract Funds Status Report (CFSR)	P										E001		F001	G001
C001	NMD Contractor Cost Data Report - DD1921-1 (NMD CCDR/1921-1)	P											C001	F002	
A002	Cost Performance Report (CPR)	P										E002		F003	G002
A003	NMD Integrated Master Schedule (IMS)	P										E003		F004	G003
A004	NMD Integrated Master Plan (IMP) Update	P													
G004	NMD Contractor Cost Data Report - DD1921 (NMD CCDR)	P												F005	G004
A005	NMD System Life Cycle Cost Estimate (LCCE) Up-date		P												G005
A006	NMD Program Protection Management Plan (NMD PPMP)		P									E004			G006
A007	NMD Integrated Master Plan (IMP) Changes	P													
A008	System Specification		P									E005			G007
A009	NMD Integrated Test and Evaluation Plan (ITEP)				P							E006	C002		G008
A010	Ground and Flight Test Evaluation and Assessment Final Report				P							E007	C003		G009
A011	Deployment Readiness Review (DRR/RFP) Data Pack		P	S	S	S	S	S	S	B001	D001	E008			
A012	Data Accession List/Internal Data	P										E009		F006	G010
A013	Engineering Change Proposals (ECP)		P									E010		F007	G011
A014	Weapon System Element Level A Specification		P			S						E011			G012
A015	NMD Software Development Plan (SDP)		P							B002	D002	E012			G013
A016	Risk Management Plan		P									E013			G014
A017	System Safety Program Plan			P								E014			G015
A018	Parts Control Program Plan		P									E015			G016
A019	Presentation Material for Meetings, Audits & Reviews		P	S	S	S	S	S	S	B003	D003	E016	C004	F008	G017
A020	System/Subsystem Design Description		P									E017			G018
A021	NMD Product Assurance Plan		P			S	S	S	S						G019
A022	NMD External Interface Control Documents (ICD's)		P			S	S	S	S			E018			G020

PRIMARY RESPONSIBILITY LISTING FOR LSI EXEC. PHASE PRIME CONTRACT DATA PRODUCTS - CDRL'S

										EXHIBIT OPTIONS					
CDRL #	CDRL Title	BUS. MGMT.	SE&I	D&S	T&E	WS	BMC3	XBR	UEWR	CONT. DEVELOPM'T & ASSOC. DOSP CLIN'S			DEPLOYM'T	SUSTAINM'T	COMMON
										B	D	E	C	F	G
A023	NMD Integration Plan		P			S	S	S	S			E019			G021
A024	Request for Deviation		P												G022
A025	Request for Waiver		P												G023
A026	NMD Nuclear Hardness and Survivability Program Plan		P			S	S	S	S			E020			G024
A027	DRR Criteria and Metrics		P			S	S	S	S	B004	D004	E021			
A028	System Acceptance and Turnover Plan			P									C005		
A029	Operational Suitability Assessment Report			P							D005	E022	C006	F009	
A030	System Consolidated Facilities Requirement Document (FRD)			P								E023			G025
A031	Integrated Deployment Plan (IDP)			P		S	S	S	S			E024			G026
A032	Capstone Site Activation Plan (CSAP)			P		S	S	S	S			E025	C007		G027
A033	Integrated Logistics Support Plan (ILSP) - Update			P								E026			G028
A034	NMD System Training Plan (STP)			P								E027			G029
A035	Safety Assessment Report (SAR) / Hazard Tracking System (HTS)				P							E028			G030
A036	Range Safety Data Package				P							E029			G031
A037	Technical Reports		P	S	S	S	S	S	S	B005	D006	E030	C008	F010	G032
A038	NMD Configuration Management Plan		P			S	S	S	S			E031			G033
A039	System Behavior Analysis Report		P									E032	C009		G034
A040	Information Architecture (IA)		P									E033	C010		G035
A041	NMD System Verification Plan		P									E034	C011		G036
A042	Deleted in P00019														
F011	Annual Sustainment Review Report			P										F011	
A043	Kill Vehicle Down Select Plan					P									
A044	Initial Sustainment Plan			P									C012		G038
A045	Weapon System Test Plan					P				B006	D007	E036			G039
A046	Weapon System Software Development Plan (SDP)					P				B007		E037			G040

PRIMARY RESPONSIBILITY LISTING FOR LSI EXEC. PHASE PRIME CONTRACT DATA PRODUCTS - CDRL'S

										EXHIBIT OPTIONS					
CDRL #	CDRL Title	BUS. MGMT.	SE&I	D&S	T&E	WS	BMC3	XBR	UEWR	CONT. DEVELOPM'T & ASSOC. DOSP CLIN'S			DEPLOYM'T	SUSTAINM'T	COMMON
										B	D	E	C	F	G
A047	Weapon System Verification Plan					P					D008	E038			
A048	BMC3 Element Level A Specification		P				S			B008	D009	E039			G041
A049	BMC3 Software Development Plan (SDP)						P			B009		E040			G042
A050	BMC3 Test Plan						P					E041			G043
A051	BMC3 Verification Plan						P					E042			G044
A052	XBR Element Level A Specification		P					S				E043			G045
A053	XBR Software Development Plan (SDP)							P		B010					G046
A054	XBR Verification Plan							P							G047
A055	XBR Test Plan							P							G048
A056	UEWR Element Level A Specification		P						S						G049
A057	UEWR Software Development Plan (SDP)								P	B011					G050
A058	UEWR Verification Plan								P						G051
A059	UEWR Test Plan								P						G052
A060	Final Report, Basic Contract		P												
A061	Deleted in P00003														
A062	RESERVED														
A063	Inputs to NMD Cost Analysis Requirements Descriptions (CARDS)		P												

NOTE: CDRL's A001 thru A007, A012, A027 and C001, G004 are DOD mandatory.

TABLE 1.2-1. LSI EXECUTION PHASE PRIME CONTRACT ACCESSIBLE DATA PRODUCTS—ADP'S (REV)

ADP No.	ADP Title	*DID Ref (DI-)	ADP No.	ADP Title	*DID Ref (DI-)
ADP-1	Trade Study Reports/Analyses	ILSS-81021	ADP-49	Description of Proposed Actions and Alternatives/Test, Technical Data	MISC-80711
ADP-2	Program Parts Selection List (PPSL)	MISC-80072B	ADP-50	Environmental Incident/Noncompliance Reporting	OT-GBI-92033
ADP-3	Report of Achievements and Lessons Learned	MISC-80711	ADP-51	Hazardous Materials Management Program Plan	MISC-81398
ADP-4	Producibility Program Plan	MISC-80711	ADP-52	Interceptor Prime Item Specification	MISC-80711
ADP-5	Integrated Manufacturing Program Plan	MISC-80711	ADP-53	Kill Vehicle Prime Item Specification	MISC-80711
ADP-6	Failure Modes Effects and Critical Analysis Report/Critical Items List (CIL)	RELI-80687/-80685	ADP-54	Human System Integration Plan (HSIP)	MISC-80711
ADP-7	Software Requirement Specification	IPSC-81433	ADP-55	C1 XBR Parts Control Plan	MISC-80256B
ADP-8	Software Product Specification	IPSC-81441	ADP-56	UEWR Prime Item Specification	MISC-80711
ADP-9	Software Test Plan	IPSC-81438	ADP-57	UEWR Parts Control Plan	MISC-80256B
ADP-10	Software Test Report	IPSC-81440	ADP-58	NMD Postproduction Support—Update	ILSS-80037A
ADP-11	Software Users Manual	IPSC-81443	ADP-59	NMD Preliminary System Security (PSSC)	MISC-80840
ADP-12	Product Drawings and Associated Lists	DRPR-81000	ADP-60	NMD Security Vulnerability Analysis (SVA)	MISC-80841
ADP-13	Engineering Drawing Tree	DRPR-80558	ADP-61	NMD Trusted Facility Manual (TFM)	TMSS-81352
ADP-14	EMI Control Procedures	EMCS-80199A	ADP-62	NMD Security Features User's Guide (SFUG)	MCCR-81349
ADP-15	Weapon System Facilities Requirements Plan	FACR-80976	ADP-63	NMD Security Test Plan	NDTI-80351
ADP-16	Weapon System Manufacturing Plan	MISC-80711	ADP-64	Joint Technical Architecture (JTA) Migration Plan	MISC-80711
ADP-17	BMC3 Incremental Build Plan	MISC-80711	ADP-65	Weapon System Program Management Plan	MGMT-80909
ADP-18	Weapon System Facilities Requirements Documents (FRD)	MISC-80711	ADP-66	Interceptor Parts List	ILSS-81359A
ADP-19	Weapon System Training Prime Item Specification	MISC-80711	ADP-67	Weapon System Test Verification Matrix	MISC-80711
ADP-20	Peculiar Support Equipment Prime Item Specification	MISC-80711	ADP-68	Weapon System Test Resource Requirements	MISC-80711
ADP-21	Interface Requirements Specification (IRS)—Hardware/Software	IPSC-81434	ADP-69	Kill Vehicle Design Description	MISC-80711
ADP-22	Interface Design Description (IDD)—Software	IPSC-81436	ADP-70	Kill Vehicle Test Plan	NDTI-80566
ADP-23	Software Design Descriptions (SDD)	IPSC-81435	ADP-71	Kill Vehicle Parts List	ILSS-81395A
ADP-24	Database Design Description	IPSC-81437	ADP-72	Weapon System Long Lead Item List	ILSS-80866
ADP-25	Software Test Description	IPSC-81439	ADP-73	Interceptor Design Description	MISC-80711
ADP-26	Software Version Description (SVD)	IPSC-81442	ADP-74	Interceptor Test Plan	NDTI-80566
ADP-27	Communication Equipment Prime Item Specification	MISC-80711	ADP-75	Interceptor Test Procedure	NDTI-80603
ADP-28	Readiness Station Equipment Prime Item Specification	MISC-80711	ADP-76	EMI/EMC Plan	MISC-80711
ADP-29	Weapon System Support Command and Launch Equipment (CLE) Prime Item Specification	MISC-80711	ADP-77	Boost Vehicle Parts List	ILSS-81359A
ADP-30	Launch Station Equipment Prime Item Specification	MISC-80711	ADP-78	RESERVED	
ADP-31	Test Measurement and Diagnostic Prime Item Specification	MISC-80711	ADP-79	RESERVED	
ADP-32	Support and Handling Equipment Prime Item Specification	MISC-80711	ADP-80	Weapon System Support Description	MISC-80711
ADP-33	Test Plans/Procedures	MISC-80711	ADP-81	Command and Launch Equipment Test Plan	NDTI-80566
ADP-34	Test Verification Matrix	MISC-81283	ADP-82	Command and Launch Equipment Test Procedures	NDTI-80603
ADP-35	Test Resource Requirements	ATTS-80002	ADP-83	Weapon System Training Specification	MISC-81271
ADP-36	Reports/Analysis	ATTS-81273	ADP-84	Weapon System Drawing Tree & List	DRPR-80558
ADP-37	Quick-Look Reports	MISC-80760	ADP-85	Weapon System Engineering Release Record	CMAN-80463B
ADP-38	Test Interface Control Documents	E-30131	ADP-86	Kill Vehicle Test Procedures	NDTI-80603
ADP-39	RESERVED		ADP-87	Boost Vehicle Test Plan	NDTI-80566
ADP-40	Lethality Analysis Plan	ATTS-81273	ADP-88	Boost Vehicle Test Procedures	NDTI-80603
ADP-41	Pre-Mission Simulations/Analysis	ILSS-80568	ADP-89	Canister Test Plan	NDTI-80566
ADP-42	Canister Prime Item Specification	MISC-80711	ADP-90	Canister Test Procedures	NDTI-80603
ADP-43	Launch G&C Equipment Prime Item Specification	MISC-80711	ADP-91	Weapon System Data Acquisition, Handling, and Analyses Plan (DAHAP)	MISC-80711
ADP-44	System Safety Hazard Analysis Report	SAFT-80101A	ADP-92	CALS Implementation Plan	MISC-80711
ADP-45	Occupational Health Hazard Assessment Report	SAFT-80106A	ADP-93	Contractor Maintenance Support Plan	ILSS-81225
ADP-46	Accident/Incident Report	H-1329A	ADP-94	Weapon System Integrated Support Plan	ILSS-80395
ADP-47	Boost Vehicle Prime Item Specification	MISC-80711	ADP-95	Weapon System Interim Contractor Support Plan	MISC-80711
ADP-48	Explosive Ordnance Disposal Data	SAFT-80931A	ADP-96	LRIP, ERP, OSM, A7 OSA Plans	MISC-80711

TABLE 1.2-1. LSI EXECUTION PHASE PRIME CONTRACT ACCESSIBLE DATA PRODUCTS—ADP'S

ADP-97	Maintainability Demo Plan	MISC-80711	ADP-115	Weapon System Simulation Development Plan	MISC-80711
ADP-98	Weapon System Make or Buy Plan	MISC-80711	ADP-116	GDILS Test Plans	NDTI-80566
ADP-99	Master Equipment List	MISC-80711	ADP-117	GDILS Test Procedures	NDTI-80603
ADP-100	Weapon System Producibility Program Plan	MISC-80711	ADP-118	GDILS Test Reports	MISC-80711
ADP-101	Technical Manual Plan	MISC-80711	ADP-119	Flight Readiness Reviews	ADMN-81373
ADP-102	Transit and Remote Site Security Plan	MISC-80711	ADP-120	Weapon System Safety Hazard Analysis Report	MISC-80711
ADP-103	Weapon System Transportation Plan	PACK-80877	ADP-121	Weapon System Hazardous Material Management Program Plan	MISC-80711
ADP-104	Configuration Audit Summary Report	CMAN-81022B	ADP-122	XBR Prime Item Specification	MISC-80711
ADP-105	Weapon System Targets Requirements Document	MISC-80711	ADP-123	Element Logistics Support Plan	ILSS-80095
ADP-106	Weapon System Package Handling & Storage Plan	PACK-80455	ADP-123	Element Logistics Support Plan	ILSS-80095
ADP-107	Weapon System Software Description Document	MISC-80711	ADP-124	Deployment Transition Implementation Plan (DTIP)	MISC-80919
ADP-108	Interceptor Software Specification	MISC-80711	ADP-125	Continuing Development Transition Implementation Plan (CDTIP)	MISC-80919
ADP-109	Weapon System Support Software Product Specification	IPSC-81441	ADP-126	BMC3 Prime Item Specification	MISC-80711
ADP-110	Weapon System Software Test Plans	IPSC-81438	ADP-127	IFICS Prime Item Specification	MISC-80711
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ADP-113	Weapon System Database Design Description	IPSC-81437	ADP-130	Network Communication Prime Item Specification	MISC-80711
ADP-114	Weapon System Software User's Manual	IPSC-81443	ADP-131	TTEC Prime Item Specification	MISC-80711

*Reference DIDs to be used for guidance only. ADPs are nondeliverable, electronic data available in the TINS library.

NMD-T-7098

EXHIBIT A

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

CDRL Instructions and NMD LSI Basic Contract CDRL

July 3, 2000 |

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PART I

CONTRACT DATA REQUIREMENTS LIST (CDRL) INSTRUCTIONS

1. General

The CDRL is prepared on plain paper for ease of downloading and word processing use and contains the same format and information as on the DD Form 1423. These instructions apply to Exhibit A and to all subsequent Exhibits added to this contract.

2. Data Item Description

Data Item Descriptions entered on the CDRL, were selected from the "Department of Defense Acquisition Management Systems and Data Requirements Control List (AMSDL)," DoD 5010.12-L.

3. DID Tailoring

DID tailoring is indicated by the addition of the suffix "T" to the DID number entered in Block 4 of the CDRL. For example, if the DID requirements were tailored for DID DI-MISC-80711, Block 4 entry in the CDRL would be DI-MISC-80711/T and the tailored requirements would be stated in Block 16. Tailoring is used to either relax format requirements or change the DID to be in consonance with the source document tailoring contained in the Statement of Work (SOW). DID Tailoring rules prohibit "tailoring up." DID tailoring does not imply adding elements; rather, DID tailoring implies reformatting, deletion of information elements. If the requirements of a DID are found to be in conflict with the tailored application of the source document in the SOW, the tailoring shall take precedence.

4. CDRL Sequence Numbers

Each CDRL is assigned a unique sequence number to facilitate data tracking. CDRL sequence numbers are comprised of two elements. The first element is the letter "A" which is used in lieu of the word "EXHIBIT". The second element consists of three digits and indicates a consecutively-assigned, numerical sequence such as 001, 002, etc. For example, the first CDRL in Exhibit A to the contract would be assigned CDRL sequence number A001, the second A002, and so on until all Exhibit A CDRLs are sequentially numbered.

5. Data Distribution and Addresses

The CDRL Distribution List provides information regarding destination codes for data deliveries, and quantities for shipment to those destinations (normally in Blocks 14 & 15 of the CDRL) is provided on the Table A-1, CDRL Distribution Matrix. The complete mailing address is provided in the Addressee List.

6. Data Delivery Due Dates

Data delivery due dates are defined as "on-dock" dates at point of destination. Data shall be delivered on the due date specified. Unless otherwise indicated, any and all references to "days" shall be calendar days.

7. Data Delivery Delinquency

A Contractor is considered delinquent when a data delivery (or transmittal, as required) does not physically arrive at the appropriate addressee on the date(s) specified in Block 12, 13 or 16 of the CDRL and Distribution Matrix. **However, data deliveries due on a Saturday, Sunday, or Federal holiday that are delivered on the next work day shall not be considered delinquent.**

8. Data Delivery Requirements

The letters "LT" entered in Block 7 of the CDRL require the preparation and delivery of a Letter of Transmittal for each CDRL data delivery. The original letter shall be addressed and delivered to the PCO; copies of the Letter of Transmittal shall be provided to the ACO and to BMDO/JNC.

The Letter of Transmittal shall include:

- Date of preparation
- Contract number
- CDRL sequence number
- DID title and subtitle, if any
- CDRL data approval requirements, if any
- How distribution was made (e.g., electronically, mail)
- Distribution made of the Letter of Transmittal (information copy addressees)
- Distribution of the data item (including addresses and number of copies)

The letters "DD" entered in Block 7 of the CDRL indicate that a DD Form 250 is required with the deliverable and that the data item will be inspected and accepted at destination.

The letters "SD" entered in Block 7 of the CDRL indicate that a DD Form 250 is required with the deliverable and that the data item will be inspected at source and accepted at destination.

Any deliverable item that exceeds 250 sheets shall be bound in separate books of 250 sheets or less.

9. Data Approval Requirements

Selected data require approval before their submission is considered final. The letter "A" appearing in Block 8 of the CDRL designate such data. The approving authority shall be the Procuring Contracting Officer (PCO). The absence of an "A" in Block 8 does not forfeit or otherwise affect the Government's right to disapprove any data that does not comply with the contract requirements.

Unless otherwise specified, resubmittal of disapproved data or data approved subject to the incorporation of comments shall be so identified and delivered 30 Calendar Days (CD) after receipt of notification from the PCO. The requirements applicable to the original submittal shall apply to the resubmittal data. Should the Contractor disagree with a resubmittal requirement, he shall submit his comments in writing to the PCO within 15 CD of receipt of data disapproval notification.

10. Distribution Statements

The following distribution statement shall be included on the cover page to protect all technical data:

- **DISTRIBUTION STATEMENT F:** Further dissemination only as directed by DoD, Ballistic Missile Defense Organization, ATTN: Alexander L. Austin, Contracting Officer, BMDO/DCTD, 1725 Jefferson Davis Highway Suite 809, Arlington, VA 22202, or higher authority.

Add the following Export Control Statement to all documents assigned distribution Statement F:

- **WARNING:** This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Section 2751 et. seq.) or the Executive order 12470. Violation of these export laws is subject to severe criminal penalties.

11. Data Format Requirements

a. **Printable Image.** Plans, Procedures, and Specifications shall contain an "Applicable Documents" section. The title page shall include classification markings IAW the NISPOM, the CDRL number, a title (unclassified), the date of the report, the contract number, the name and address of the prime contractor, the distribution statement, and any special notices. All printed pages of each document shall contain the document control number and the date of the document in either the upper corner, opposite the binding of the page or the center of each page. Document control numbers shall include the revision and volume identification, as applicable. Each page prior to the text shall be numbered in lower-case Roman numerals beginning with page ii following either the cover page or beginning with the Table of Contents. Each page starting with the text and continuing to the appendices shall be consecutively numbered in Arabic numerals, **or if more appropriate, consecutively numbered within sections using the following format: 2-1, 2-2, 2-3, etc..** If the document is divided into volumes, each such volume shall restart the page numbering sequence.

b. **Magnetic Images.** To facilitate ease of transfer and use, unless otherwise indicated in a particular CDRL data item, CDRL deliverables shall be prepared in the software format indicated, or in a format readily usable by the program indicated on PC workstations using Windows and **Office 97**.

Written documentation	MS WORD, with figures and other graphics in a MS WORD compatible format.
Spreadsheets	MS EXCEL
Vugraphs (presentation material)	MS PowerPoint
Drawings	Any commonly available CAD
Generic databases	MS Access
Program Schedules	MS Project

Labels on data items released on electronic media shall include the following:

- Contract Number
- CDRL Number

- Title
- Subtitle (if applicable)
- Date
- Classification

c. **Electronic Distribution.** Unclassified documents shall be delivered electronically making use of commercial Web Browser/Web Technology or existing connections to the NMD Organization Wide Area Network (BMDO Frame Relay). Hard copies shall be distributed per Table A-1 to any addressee for whom BMDO notifies the Contractor that the addressee is not reachable electronically. In the event of any delay immediately after award of the contract in establishing electronic connections or procedures therefore, or for any extended period of outage, the Contractor shall deliver hard copies per Table A-1. For any documents delivered in hard copy to BMDO which are not delivered electronically, the Contractor shall also deliver magnetic disks (3.5" floppy disks or Zip Drive cartridge) for documents consisting primarily of text and CD-ROM for the IMS (A003) and Updates to the IMP (A004). Deliver all magnetic media to BMDO/JNC. Classified documents will not be delivered electronically; they shall be distributed in paper (hard) copy as well as magnetic disk(s) (3.5" floppy disks only) **per CDRL instruction number 15 below.**

12. Codes Used In The CDRL

The following codes are used on CDRL forms:

A	Approval of data item is required by BMDO.
AD	Approval of draft of data item is required by BMDO.
ASREQ	As required
BIANNUAL	Frequency is every other year
CLIN	Contract Line Item Number
F	Distribution statement is required, and shall be assigned per the CDRL instructions
DAC	(Calendar) Days after Contract Award
DID	Data Item Description
LT	Letter of transmittal
N/A	Not applicable
MTHLY	Monthly
ONE/R	One time and revisions
OTIME	One time
Para.	Paragraph
QRTLY	Quarterly
SOO	Statement of Objectives

13. Addressee List

- BMDO/JNC, POC, POE,
DCTD, DSIS
Ballistic Missile Defense Organization
ATTN: (Office Symbol)
1725 Jefferson Davis Highway Suite 809
Arlington VA 22202
 - ACO
Per Block 6 of the Contract Form SF-26 (If SF 33, Block 24)
 - SFAE-AMD-NMD
For Unclassified Hand-Carried:
SFAE-AMD-**GBE**
ATTN: Mr. Harold Holmes
6767 Old Madison Pike
Huntsville Alabama
(Note 1. For Mail or Overnight
Delivery requiring signature
(e.g., Fed-X) see below.)
 - SFAE-AMD-NMD-GI-S
For Unclassified Hand-Carried:
SFAE-AMD-NMD-GI-S
ATTN: Mr. **Don Boster**
5650 Sanderson Rd Suite R
Huntsville Alabama
(Note 1. For Mail or Overnight
Delivery requiring signature
(e.g., Fed-X) see below.)
 - SAF/AQSI
SAF/AQSI
1500 Wilson Blvd
Suite 1300
Rosslyn, VA
 - Navy Code 865
Office of the CNO (N865J1) Room 4D548
2000 Navy, Pentagon
Washington DC 20330-1060
 - Technical Information Center
(TIC)
BMDO Technical Information Center (TIC)
1755 Jefferson Davis Highway STE 708
Arlington VA 22202
 - OSD/PA&E
TBD
 - ESC/NDB
Electronic Systems Center (ESC/NDB)
11 Eglin St
Hanscom AFB MA 01731
- Note 1. MAIL DELIVERIES
FOR BOTH HUNTSVILLE
ADDRESSEES:**
Office Code
ATTN: (Individual)
P O Box 1500
Huntsville AL 35807-3801
- Note 1. OVERNIGHT
DELIVERY FOR BOTH
HUNTSVILLE ADDRESSEES
(e.g., FED-X)**
Office Code
ATTN: (Individual)
106 Wynn Drive
Huntsville AL 35805

14. Government Requiring Office

The Government Requiring Office, Block 6 of the CDRL, was left blank for the majority of data items when the contract was distributed. To avoid reprinting the entire CDRL to incorporate the Requiring Office into Exhibit A, Block 6 information has been added at the end of the data item entry in Table A-1, CDRL Distribution Matrix. To the extent that individual CDRL pages are changed for other reason, Block 6 information will be updated at the time the CDRL page is updated.

Block 6 information will be added to other Exhibits in the future by an administrative modification per Special Contract Requirement H-11.

15. Delivery of Classified Documents.

Classified documents shall be delivered to the following addressees in the quantities indicated:

ADDRESSEE	PAPER COPIES	MAGNETIC COPIES
Ballistic Missile Defense Organization Attn: JN Document Control Crystal Square II, Suite 502 1725 Jefferson Davis Hwy Arlington VA 22202 (703) 604-0757	4	1
SFAE-AMD-GBE Technical & Engineering Support Division GBE Program Office, Attn: Document Control PO Box 1500 Huntsville, AL 35807-3801 (256) 895 4520	4	1
ESC/NDB Electronic Systems Center Attn: Document Control 11 Eglin Street Hanscom AFB MA 01731-2100 (781) 377-8922	1	1
SAF/AQSI Attn: Document Control 1060 Air Force Pentagon Washington DC 20330-1060 (703) 588-7393	1	1

ADDRESSEE	PAPER COPIES	MAGNETIC COPIES
Navy Code 865 Office of the CNO (N865J1)Room 4D521 Attn: Document Control 2000 Navy Pentagon Washington DC 20350-2000 (703) 695-2678	1	1
HQ US SPACECOM/J5B Attn: Document Control 250 South Peterson Blvd, Suite 116 Peterson AFB CO 80914-3170 (719) 554-5904	1	1
BMDO/TIC BMDO Technical Information Center (TIC) Attn: Document Control 1755 Jefferson Davis Highway, Suite 708 Arlington VA 22202 (703) 412-2827	1	1
<i>Deliver to and mark outer wrapper as follows:</i> The MITRE Corporation Document Control 202 Burlington Road Bedford, MA 01730-1420 <i>Mark the inner wrapper as follows:</i> The MITRE Corporation NMD Project, Attention: Charles K. Wilkinson 1618A 202 Burlington Road Bedford, MA 01730-1420	1	1
Total Classified Distribution	14	8

NOTE: The Contractor should note that in some cases (e.g., SAQ/AQSI, Navy Code 865), the above addresses for classified document delivery differ from the address for unclassified documents specified in CDRL instruction number 13.

Block 14, Distribution*									
CDRL SEQ No.	A001	A002	A003	A004	A005	A006	A007	A008	A009
Short Title	CFSR	CPR	NMD IMS	NMD IMP Update	NMD SLCCE Update	NMD PPMP	NMD IMP Changes	SS	NMD ITEP
BMDO/JNC	4	4	4	4	4	1	4	4	4
BMDO/POE					1				
BMDO/POC	1	1	1	1			1		
BMDO/DCTD	1	1	1	1	1		1	1	1
BMDO/DSIS						1			
ESC/NDB		1	1	1	1	1	1	1	1
SFAE-AMD- GBE	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO	1	1	1	1			1		
TIC				1		1	1	1	1
Block 15,Total	10	11	11	12	10	7	12	10	10
Block 6, Requiring Office	JNC	JNC	JNC	JNA	JNC	DSC	JNA	JNE	JNT

Block 14, Distribution*									
CDRL SEQ No.	A010	A011	A012	A013	A014	A015	A016	A017	A018
Short Title	G&FTE &AFR	DRR	DAL/ID	ECP	WS EL A SPEC	NMD SDP	RMP	SSPP	PCPP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POE									
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
BMDO/DSIS									
ESC/NDB		1	1	1		1	1	1	1
SFAE-AMD- GBE	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15,Total	9	10	10	10	9	10	10	10	10
Block 6, Requiring Office	JNT	JNA	JNA	JNA	JNE	JNE	JNA	JNP	JNP

Table A-1, CDRL Distribution Matrix

Block 14, Distribution*									
CDRL SEQ No.	A019	A020	A021	A022	A023	A024	A025	A026	A027
Short Title	PMMA&R	S/SD D	NMD PAP	NMD EICD	NMD IP	RFD	RFW	NMD NH&S PP	DRR C&M
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POE									
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
BMDO/DSIS									
ESC/NDB	1	1	1	1	1	1	1	1	1
SFAE-AMD- GBE	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15, Total	10	10	10	10	10	10	10	10	10
Block 6, Requiring Office	See Note 1	JNE	JNP	JNE	JNA	JNA	JNA	JNE	JNA

Block 14, Distribution*									
CDRL SEQ No.	A028	A029	A030	A031	A032	A033	A034	A035	A036
Short Title	SA&TP	OSAR	SCFRD	IDP	CSAP	ILSP - UPDAT E	NMD STP	SAR / HTS	RSDP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POE									
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
BMDO/DSIS									
ESC/NDB	1	1	1	1	1	1	1	1	1
SFAE-AMD- GBE	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15, Total	10	10	10	10	10	10	10	10	10
Block 6, Requiring Office	JNP	JNP	JNP	JNP	JNP	JNP	JNP	JNP	JNT

Table A-1, CDRL Distribution Matrix (Continued)

Block 14, Distribution*									
CDRL SEQ No.	A037	A038	A039	A040	A041	A042	A043	A044	A045
Short Title	TR	NMD CMP	SBAR	IA	NMD SVP	UDSI	KVDSP	ISP	WS TP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POE									
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
BMDO/DSIS									
ESC/NDB	1	1	1	1	1			1	
SFAE-AMD-GBE	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15,Total	10	10	10	10	10	9	9	10	9
Block 6, Requiring Office	See Note 1	JNA	JNE	JNE	JNE	JNT	GBI EPM	JNP	GBI EPM

Block 14, Distribution*									
CDRL SEQ No.	A046	A047	A048	A049	A050	A051	A052	A053	A054
Short Title	WS SDP	WS VP	BMC3 EL A SPEC	BMC3 SDP	BMC3 TP	BMC3 VP	XBR EL A SPEC	XBR SDP	XBR VP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POE									
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
BMDO/DSIS									
ESC/NDB			1	1	1	1			
SFAE-AMD-GBE	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15,Total	9	9	9	10	10	10	9	9	9
Block 6, Requiring Office	GBI EPM	GBI EPM	JNE	JNB	JNB	JNB	JNE	GBR EPM	GBR EPM

Table A-1, CDRL Distribution Matrix (Continued)

Block 14, Distribution*							
<i>CDRL SEQ No.</i>	A055	A056	A057	A058	A059	A060	A061
<i>Short Title</i>	XBR TP	UEWR EL A SPEC	UEWR SDP	UEWR VP	UEWR TP	FR BC	Reserved
BMDO/JNC	4	4	4	4	4	4	
BMDO/POE							
BMDO/POC							
BMDO/DCTD	1	1	1	1	1	1	
BMDO/DSIS							
ESC/NDB		1	1	1	1	1	
SFAE-AMD-GBE	1	1	1	1	1	1	
SAF/AQSI	1	1	1	1	1	1	
Navy Code 865	1	1	1	1	1	1	
ACO							
TIC	1	1	1	1	1	1	
Block 15, Total	9	10	10	10	10	10	
Block 6, Requiring Office	GBR EPM	JNE	UEWR EPM	UEWR EPM	UEWR EPM	JNC	

Block 14, Distribution*							
<i>CDRL SEQ No.</i>	A062	A063	A064	A065			
<i>Short Title</i>	Reserved	NMD CARDs	Reserved	NMD CCDR			
BMDO/JNA		4		1			
BMDO/POE				1			
BMDO/POC		1					
BMDO/DCTD		1					
BMDO/DSIS							
ESC/NDB		1					
SFAE-AMD-GBE		1					
SAF/AQSI		1					
Navy Code 865		1					
ACO		1					
TIC		1					
OSD/PA&E				1			
Block 15, Total		12		3			
Block 6, Requiring Office		JNA		JNC			

Table A-1, CDRL Distribution Matrix (Continued)

* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

Note 1: Requiring Office is dependent on subject matter. Default is BMDO/JNC.

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 3.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 25 calendar days after the end of the contractor's accounting quarter.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 3.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Change all references to “Cost/Schedule Control Systems Criteria (C/SCSC)” to read
 “Earned Value Management Systems (EVMS) Criteria”

DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:

7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor’s system is established. The Contractor shall also make hardcopy distribution to any addressee (Table A-1) who does not have electronic connectivity with the Contractor’s system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the MND JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR
 (Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
 J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:

Block 4 (Cont.):

format information for the prime contractor as well as subcontractors and shall also include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.

7.6.2 Report using Formats 1 through 5.**10. PREPARATION INSTRUCTIONS**

10.2.5.1 10.2.2.4 Performance Data shall be measured against the baseline established as a result of an Integrated Baseline Review (IBR) to be conducted with the Government within 6 months of award.

This time-phase performance measurement baseline (PMB) may not be changed without prior written approval from the Contracting Officer.

10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-13) beyond the initial 6 months, enter in quarterly increments. For column 14, enter the balance of the contract.

10.2.5.1 (Format 4): report staffing in equivalent person months only.

10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and “get well” information and variance at completion.

10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.

Blocks 12 and 13: Initial and subsequent CPR submissions through December 1998 shall be delivered 25 calendar days after the end of the contractor’s accounting month. Commencing January 1999 subsequent CPR submissions shall be delivered on the last calendar day of the month.

(End of A002)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para. 3.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **45DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10. Preparation Instructions.****10.2 Content is modified as follows:**

10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.

10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to WBS level 6. Any WBS leg where there is no work activity to be performed within the one year period following the “as of” date may be summarized at level 4.

10.3 Change “Master Integrated Program Schedule” to read “Integrated Master Schedule (IMS)”.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **5 OCT 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **5 OCT 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A004**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **National Missile Defense Integrated Master Plan (NMD IMP) Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.1.2**
6. REQUIRING OFFICE: **BMDO/JNA**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

The IMP Update shall provide additional detail to complete Attachment 2 to the contract for the Continued Development and Deployment/Initial Sustainment Options. It shall define the Continued NMD Development program and Deployment in an event driven timeline linked to the IMS (CDRL A003), and executable as a program baseline.

10.3 Content. The IMP for the basic contract (Attachment 2 to this contract) contains section 1 for basic contract activities and lesser detail in sections 2 and 3 for Continued Development and Deployment/Initial Sustainment. The IMP Update shall provide additional details for sections 2 and 3.

Blocks 8, 12, and 13: Submit a draft of the IMP Update 30 days prior to DRR. The Government review and comments will be provided within 45 days after receipt. The Government intends to incorporate the appropriate sections of the Updated IMP as an attachment(s) to the contract if the Continued Development and/or Deployment option is exercised. Submit the final of the IMP Update as called for in the Government's request to definitize the estimated cost and award fee for the option(s).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **5 OCT 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **5 OCT 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER__X_
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A005**
2. TITLE OF DATA ITEM: **Life Cycle Cost (LCC)**
3. SUBTITLE: **NMD System Life Cycle Cost Estimate (LCCE) Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-80448/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.9**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ANNUALLY (ASREQ for Out-of-Cycle)**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10. Preparation Instructions.****10.2.8 Delete****10.2.8.1 Delete****10.2.8.2 Delete**

10.3 Breakout of LCC. Delete Figure 1 of DID-FNCL-80448. Use the BMDO Cost Breakdown Structure in Figure 2.0-1 of Appendix E of the NMD Cost Analysis/Estimating Terms of Reference (TOR), Version 3.1, October 1998. NMD LCCE Updates are required for each of the following four alternatives: (1) Alaskan-based NMD Capability One (NMD C1 LCCE Update-AK); (2) Grand Forks-based NMD Capability One (NMD C1 LCCE Update-GF); (3) Alaskan-based NMD Capability Two (NMD C2 LCCE Update-AK), and (4) Grand Forks-based NMD Capability Two (NMD C2 LCCE Update-GF).

Block 12: Submit the NMD C2 LCCE Update-AK and the NMD C2 LCCE Update-GF by 1999 MAR 29.

Block 13: Submit annual LCCE Updates for all four alternatives by 1999 OCT 10 and again by 2000 SEP 01. The Government reserves the right to call for up to two (2) additional* "out-of-cycle" LCCE Updates for either the C1 or C2 alternatives in the event of major budget or program changes. Any out-of-cycle submission called for shall be in writing by the PCO and shall be due sixty (60) days after the notification is received by the Contractor.

* One out-of-cycle LCCE Update already delivered in response to PCO Ltr Ser DCTD/LSI/98-023.

G. PREPARED BY: **HANS PITTNER**

H. DATE: **12 JUL 99**

I. APPROVED BY: **ROY HUFFMAN**

J. DATE: **13 AUG 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A006**
2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ADMN-81306/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.6**
6. REQUIRING OFFICE: **BMDO/DSIS**
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **BIANNUAL**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **1 Dec 2000**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**3 Description/Purpose**

3.1 A Government Program Protection Plan does not yet exist for NMD. The LSI Contractor shall write the NMD Program Protection Management Plan (PPMP) to document existing program protection efforts taking into account the LSI integration and management approach for NMD.

The Contractor shall provide a detailed plan on how it will assist the Government in protecting the NMD program, specifically to ensure that the research, development and acquisition (RD&A) of NMD capabilities, systems and technologies is not hindered, compromised or in any way defeated prior to fielding and, as a result, contribute to the survivability and increased longevity required once fielded. This requires security processes and structures that establish and assure the confidentiality, availability, and integrity of information used in conjunction with NMD RD&A and supporting contracts. Contractor security processes include, but are not limited to, identifying: (1) aspects of, or items within, the NMD program, classified or unclassified, that require protection [e.g. critical program information systems and/or technology (CPI)]; (2) protection and assurance related risk management techniques and threat-based countermeasures, to
(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A006**
2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**

Block 4 (Cont.):

include horizontal protection; (3) specific information systems security and information assurance needs; to include defensive information warfare considerations; as well as protection needs concerning; (4) classification management; (5) physical, personnel and operations security; (6) international security, technology transfer and foreign disclosure; and (7) the possible administration of special access programs. This management plan will also address merging with on-going NMD-related acquisition systems, and program protection and assurance actions within OSD, BMDO, the NMD JPO and Service elements involved in the NMD effort.

7.1 Change the references in the first sentence to read: "DoD 5000.2-R (Part 4, paragraph 4.4.5) and BMDO Directive 5200, dated January 29, 1997."

10 Preparation Instructions.

10.1 **Content Requirements.** Contractor format is acceptable but should, as a minimum, contain the following information:

- A. System and Program Description, detailing unique characteristics (e.g. capabilities and structures)
- B. NMD CPI (e.g. critical information, systems & technologies), and related threats (e.g. foreign collection threat), threat-based vulnerabilities identified via risk and vulnerability assessments, and countermeasures recommendations that include cost-benefit analyses.
 - NMD System-wide
 - NMD Elements (GBI, GBR, etc.)
 - NMD RD&A processes and infrastructure.
- C. Risk Management Strategy applied to protection and assurance needs.
- D. Horizontal Protection Strategy to ensure commensurate protection and assurance across NMD elements, as well as with external programs and fielded capabilities involving or utilizing same technologies, information or systems.
- E. Information Assurance Strategy
- F. Information Systems Transition Strategy which identifies security requirements for the baseline information systems being migrated to components of an operational weapon system; identify how existing security services enhancements may be required to meet operational needs at milestones.
- G. Time-Event Phased Classification Guide

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A006**
2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**

Block 4 (Cont.):**H. Implementation & Validation Procedures****I. Technology Assessment and Control Plans (as required)****J. Protection Costs**

K. Plan of Action to develop the structures and processes, and to implement these, as well as that required to addressed in block 7, e.g. information systems security, defensive information warfare, physical security, personnel security, operations security, international security, technology transfer, foreign disclosure, and special access programs administration needs once approved.

Blocks 8 and 12: Submit a draft of the PPMP 120 DAC. The Government review and comments will be provided within 45 days after receipt. Submit the final NMD PPMP 30 days after receipt of Government Comments.

(End of A006)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A007**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Master Plan (IMP) Changes**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10 Preparation Instructions.**

This CDRL covers both individual IMP Change Notices and a consolidate IMP reprint containing previously approved IMP Change Notices. IMP Change Notices shall be prepared whenever the Contractor changes the IMP. A consolidated IMP reprint shall be prepared ANNUALLY.

10.3 Content. IMP Change Notices shall contain details of the changes to the IMP. They may be issued as "slip" pages to the then-existing IMP or by republishing the affected section(s). Changes shall be clearly indicated (e.g., revision bars in hard copy, revision tracking features in soft copy) and shall be accompanied by a change log or revision sheet containing, as a minimum, a summary, the effective date, and point(s) of contact for the change(s).

The consolidated IMP reprint shall contain all IMP Change Notices approved since the IMP was last published and shall not contain revision markings.

Block 8: IMP Change Notices shall be assumed to be approved by the Government unless the Contractor is notified in writing by the PCO within 30 calendar days after receipt of the Notice per Special Contract Requirement H-25, "Changes to the Integrated Master Plan."

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A007**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Master Plan (IMP) Changes**

Blocks 10, 12, and 13: IMP Change Notices shall be prepared on an "ASREQ" basis and shall be submitted prior to the effective date of the change. IMP reprints shall be submitted ANNUALLY and shall include all IMP Change Notices approved since the IMP was last published.

(End of A007)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A008**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **System Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.3**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Draft SFR -15 CD**
13. DATE OF SUBSEQUENT SUBMISSION: **Final SPDR -15 CD**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add Format - Contractor format is acceptable.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final System/Subsystem Specification within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A009**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-81284/T**
5. CONTRACT REFERENCE: **SOW para. 3.7.3**
6. REQUIRING OFFICE: **BMDO/JNT**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Draft 31 March 1999 (Already Delivered)**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**3. DESCRIPTION/PURPOSE**

3.1 Change to read as follows: The ITEP outlines the plans and performance objectives at every level of testing on systems and subsystems. It provides the procuring activity with the test concept, objectives and requirements to be satisfied, test methods, elements, responsible activities associated with the testing, measures required, test data processing requirements, and recording analysis and evaluation procedures to be used."

7.2 Change to read as follows: This DID is applicable to system and subsystem tests that include laboratory tests, simulations, ground tests, flight tests, integration tests, human factor tests, operational tests and acceptance tests."

10.1 Format. Change The Test and Evaluation Program Plan (TEPP) shall be in the contractor's format and shall conform to the following: to The Integrated Test and Evaluation Plan (ITEP) shall be in the contractor's format?"

10.1.1 Delete

10.1.2 Delete

(Continued)

G. PREPARED BY: **HANS PITTNER**
 I. APPROVED BY: **ROY HUFFMAN**

H. DATE: **7 MAY 99**
 J. DATE: **7 MAY 99**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: NMD LSI
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A009**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**

Block 4: (Cont.)

10.2.2 Introduction. Change to read as follows: **The introduction shall describe the plan and its relationship to the elements of the overall program, and an overview of the test programs objectives, including process flow diagrams, milestones/significant accomplishments, test resources and personnel, and relationship to design development, production and tactical deployment.**

10.2.3 Change The TEPP'to The ITEP'..

10.2.4 Change f:e., Joint Test Group (JTG)''

10.2.5 Tests and examinations. Change **The TEPP'to The ITEP''**

10.2.5.1 Change to read as follows: Process Flow Diagrams. The process flow diagrams will reflect a functional description of the test and evaluation program using a block diagram portrayal of the functions that must be met to satisfy the total test program."

10.2.5.2 References. Change **The TEPP'to The ITEP'..**

10.2.5.3 Change to read as follows: Test and Evaluation Objectives. Describes the objective of each test performed, including the traceability to requirements documents, test requirements, data requirements and evaluation criteria for each test."

- a. Test requirements
- b. Data requirements
- c. Evaluation
- d. Criteria

10.2.5.4 Test support requirements.

10.2.5.4a Change to read as follows: Instrumentation. Indicates the data collection method that will be used and the approximate number and types of parameters to be recorded."

10.2.5.4b Test Logistics,'change to fidentify logistics requirements including maintenance and repair for test equipment and facilities, and packaging, handling, storage and transportation (PHS&T) for test articles, support equipment and spares.

10.2.5.4c Change Government facilities'to Government facilities and locations for each type of testChange to read as follows: Government test facilities. Identify the specific government to be used for each type of test."

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A009**
2. TITLE OF DATA ITEM: **Test PlanTest and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**

Block 4: (Cont.)

10.2.5.4d Change to read as follows: Data reduction and analysis. Describes data to be collected and the data reduction and analysis techniques that will be used to interpret the data.”An overview of the procedures that the contractor will use to analyze, evaluate, and verify the test results will also be provided.

10.2.5.5 Change to read: General Tests: This section shall provide a listing for each type of test, a description, test methodology and general change to procedures.

10.2.5.6 Special tests. Change to read as follows: Special tests. Provides a list of special test resources necessary to verify satisfactory system or subsystem performance to specifications.”

Block 8: The draft ITEP shall be submitted for information.

The final ITEP and subsequent revisions shall be submitted for approval.

Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. In the event the final ITEP or a subsequent revision is disapproved or is approved subject to the incorporation of comments, resubmittal of the ITEP shall be done within 30 days after receipt of Government comments.

Block 12: The final ITEP shall be submitted 30 November 1999 and shall incorporate Government comments from the review of the draft due 31 March 1999. The ITEP shall be submitted annually thereafter.

(End of A009)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A010**
 2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
 3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ATTS-81273/T**
 5. CONTRACT REFERENCE: **SOW para. 3.7.6**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **AD**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **OTIME**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16)**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
 16. REMARKS:

Block 4:

3.1 Change first sentence to read as follows: "This report documents the results of the evaluation of a system's test design".

7.1 Change to read as follows: "This DID contains the format and preparation instructions for system evaluation resulting from a specified test phase or period."

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: "Format. The Test Evaluation and Assessment Final Report shall be in the contractor's format."

10.3 Change to read as follows: "Content Requirements. The content of the Test Evaluation and Assessment Final Report shall be the following:."

10.3.1 Change to read as follows: "A brief description of the functional operation of the system and of each element."

10.3.2 Change to read as follows: "A description of the systems operational concept."

10.3.3.1 Change to read as follows: "Identification of mission requirements and operational constraints."

10.3.3.2 Change to read as follows: "For each item to be included in this analysis, a definition of risks and risk mitigation and identification of areas that require additional testing."

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A010**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**

Block 4: (Cont.)

10.3.3.3 Change to read as follows: "System integration and performance measurements tested."

10.3.3.4 Change to read as follows: "System engagement performance measurements tested, e.g., acquisition, track, discrimination, interception, etc.."

10.3.3.5 Change to read as follows: "System kill capability and performance assessment."

10.3.3.6 Change to read as follows: "Human-in-control operations and performance Measurements tested."

10.3.3.7 Add item to read as follows: "Assessment of verification related to testing, demonstrations, inspections and T&E analysis".

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

Blocks 12 and 13: Draft Report will be submitted 75 calendar days prior to IDR for Government approval and the first Final Report at IDR. The second Final Report will be submitted at End of Basic Period (EOBP).

(End of A010)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A011**
2. TITLE OF DATA ITEM: **Design Review Data Pack**
3. SUBTITLE: **Deployment Readiness Review (DRR) Data Pack**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 3.2.1 3.3.2, 3.3.6, 3.4.1, 3.5.1, 3.6.9, 3.8.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

The contractor shall support the Deployment Readiness Review (DRR) demonstrating:

- **Performance of the NMD system, supported, by the test and evaluation data.**
- **Detailed planning to produce and deploy the NMD system within three years of a deployment decision.**
- **Cost, Schedule and risk for NMD deployment.**
- **Deployment readiness plans.**
- **Operational sustainment readiness plans.**
- **Candidate development/deployment trades.**
- **Planning to evolve from the proposed C1 deployment(s) to a C2/C3 capability.**

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250A; Data Package per ILSS-81335. Contractor format is acceptable.

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A011**
2. TITLE OF DATA ITEM: **Design Review Data Pack**
3. SUBTITLE: **Deployment Readiness Review (DRR) Data Pack**

Block 8: Agenda: Government agenda comments will be provided within 10CD after receipt. **Data Package:** Government comments, if applicable, to the presentation material will be provided within 7 days after receipt. **Minutes:** Government approval (or disapproval) and comments will be provided within 45 days after receipt.

Blocks 10, 12 and 13: Agenda: Submit agenda 15CD prior to the DRR. **Data Package:** Submit paper copies of the presentation material 15CD prior to DRR. Handouts of the Presentation Material/Data Package to attendees at DRR. **Minutes:** Submit Minutes within 14CD after review. If disapproved or corrections are required, submit revised Minutes within 14 days of receipt of Government comments.

(End of A011)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A012**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.1.2**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Provide electronic copies of any unclassified documents listed on the LSI Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.

Block 4:

10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data which have been generated by the Contractor as a result of the work effort called for by this contract.

10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.

10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:

"UR" = Unlimited Rights

"LR" = Limited Rights

"GPLR" = Government Purpose License Rights

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A013**
2. TITLE OF DATA ITEM: **Engineering Change Proposals (ECP)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.7**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of EIA/IS-649 National Consensus Standard for Configuration Management, dated August 1995.

10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A014**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **Weapon System Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.3, 3.3.2**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Blocks 10, 12 and 13: Submit draft Weapon System Element Specification 15 days prior to System Functional Review (SFR).

Submit final Weapon System Element Level A Specification 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **26 JAN 99**
J. DATE: **26 JAN 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A015**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **NMD Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.3**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Delete the following paragraphs in their entirety:

4.2.3,
4.2.3.1,
4.2.3.2,
4.2.5 and
5.8

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final NMD Software Development Plan within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit preliminary at System Functional Review. Submit final by 1999 APR 01 (already submitted), with updates as required.

G. PREPARED BY: **HANS PITTNER**
I. APPROVED BY: **ROY G. HUFFMAN**

H. DATE: **12 APR 99**
J. DATE: **12 APR 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A016**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Risk Management Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

The contractor shall prepare, implement and maintain, a LSI Risk Management Plan to include risk management tasks that encompass the effort to establish, implement, and maintain a proactive risk management program that provides for the identification, analysis, assessment and mitigation of risk issues in achieving LSI program cost, schedule, and performance goals.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **A017**
2. TITLE OF DATA ITEM: **System Safety Program Plan**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-SAFT-80100A**
5. CONTRACT REFERENCE: **SOW para. 3.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A018**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80526B/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.6**
6. REQUIRING OFFICE: **BMDO/JNP**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **1998 OCT 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

The Data Item Description (DID) DI-MISC-80526B is modified to read as follows

SCOPE/ PREPARATION INSTRUCTIONS

CONTENT- The Parts, Materials and Processes Control Program Plan shall describe the Parts, Materials and Processes control process to include:

- A Organizational structure used to manage PMP related issues and the interfaces with other PMP related functional areas, including designation of a PMP control board.**
- B Process for hardware subcontractor PMP control, including criteria to certify contractors for reduced oversight, and methods to manage subcontractors that are unable to obtain certification.**
- C Requirements for hardware subcontractor PMP control programs to include:**
 - 1) Documented PMP selection processes that maximize standardization consistent with program requirements.**
 - 2) PMP Qualification to meet the reliability and performance requirements for the application in which they are used. Qualification shall include radiation hardness evaluation and destructive physical analysis where applicable.**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **15 SEP 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A018**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:

Block 4 (Cont.)

- 3) Part, Material, and Process specifications and change control of these specifications.
 - 4) Screening and Ongoing Quality Assurance addressing use of the following methods: qualified lines, screening plans, testing of higher level assemblies, and use of statistical quality assurance data.
 - 5) Processes to ensure the integrity of the parts and materials through those manufacturing processes within the control of the supplier, to include handling, shipping, storage, and part marking.
 - 6) Use of the Government Industry Data Exchange Program (GIDEP) to obtain part failure reporting data and advance warning of diminishing sources. Other industry data sources (i.e. TacTech) shall also be used to obtain information on diminishing source risks.
 - 7) Electronic Parts Diminishing Manufacturing Source risk management approach.
 - 8) Criteria for assessing and verifying the suitability of Commercial-off-the-shelf (COTS) parts for the intended application.
 - 9) Subtier PMP management and supplier selection criteria.
 - 10) The use of electronic searchable parts and materials lists and performance metrics using these lists.
 - 11) A process to respond to failure events and document lessons learned in PMP selection and control.
 - 12) Corrosion Prevention and Control
 - 13) Radiation Hardness Assurance of spacecraft or launch systems, addressing total ionizing dose, single event effects, part selection criteria for radiation hardness, and design mitigation techniques.
 - 14) Contamination Control in design, manufacturing, test, shipment, launch, and operation for all contamination sensitive hardware including space based systems and optics.
- D Use of hardware subcontractor parts database information to establish metrics to track program PMP performance and DMS risks.**
- (Continued)**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A018**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:

Block 4 (Cont.)

FORMAT: Seller's document format is optional. Data should be prepared in electronic format compatible with Microsoft Office (e.g. Word, Excel, PowerPoint, or Access). Data shall be submitted on 3.5" high density diskettes and/or electronically transmitted (FTP) to buyer's protected server.

Government review and approval (or disapproval) and comment will be provided within 45 days after receipt. Submit final PCPP within 30 days after receipt of Government comments.

(End of A018)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A019**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 3.2.1, 3.3.2, 3.4.1, 3.5.1, 3.6.1, 3.8.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

**Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250;
Presentation Material per DI-ADMN-81373.**

Blocks 10, 12 and 13: Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes, if required will be submitted within 14 days after review. If corrections are required, submit revised within 14 days of receipt of Government comments.

Applicability: This CDRL shall apply to the following program reviews/meetings:

1. **System Functional Review (SFR)**
2. **System Preliminary Design Review (SPDR)**
3. **Customer Reviews, Audits and Meetings - Agendas and minutes may not be required**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A020**
2. TITLE OF DATA ITEM: **System/Subsystem Design Description (SSDD)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81432**
5. CONTRACT REFERENCE: **SOW para. 3.2. 3**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Blocks 12 and 13: Submit preliminary at System Functional Review. Submit final at System Preliminary Design Review, with updates as required.

G. PREPARED BY: **HANS PITTNER**
I. APPROVED BY: **ROY HUFFMAN**

H. DATE: **7 MAY 99**
J. DATE: **7 MAY 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A021**
2. TITLE OF DATA ITEM: **Product Assurance Quality Program Plan**
3. SUBTITLE: **NMD Product Assurance Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-QCIC-81198**
5. CONTRACT REFERENCE: **SOW para. 3.2.1, 3.3.2, 3.4.2, 3.5.2, 3.6.9**
6. REQUIRING OFFICE: **BMDO/JNP**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **60 DAC.**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10 Preparation Instructions.**

The NMD System Product Assurance Plan shall incorporate the Product Assurance Plans for all elements of the NMD System

10.3 Change to read as follows: General. The Product Assurance Quality Program Plan shall be complete, accurate, concise, and written with clarity. The plan shall identify how the contractor will satisfy the specific quality tasks within the contract and describe the contractor's understanding of all documentation tasks required for meeting the contractual requirements. The plan shall be consistent with the Quality Program Requirements of **ANSI/ASQC Q9001**, all amendments, and the Contract Reliability and Maintainability Requirements

G. PREPARED BY: **HANS PITTNER**
 I. APPROVED BY: **ROY HUFFMAN**

H. DATE: **7 MAY 99**
 J. DATE: **7 MAY 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A022**
2. TITLE OF DATA ITEM: **Interface Control Document (ICD)**
3. SUBTITLE: **NMD External Interface Control Documents (ICD's)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.3, 3.3.2, 3.3.6, 3.4.2, 3.4.3, 3.4.4, 3.5.2, 3.5.3, 3.6.7**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **SFR -15CD**
13. DATE OF SUBSEQUENT SUBMISSION: **SPDR -15CD**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add format - Contractors format is acceptable.

Block 8: Government review and approval will be by the NMD Interface Control Working Group in accordance with Government and LSI approved NMD Interface Control Plan.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **26 JAN 99**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **26 JAN 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A023**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD Integration Plan**
4. AUTHORITY: (Data Acquisition Document No.): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.8, 3.3.2, 3.4.2, 3.5.2, 3.6.3**
6. REQUIRING OFFICE: **BMDO/JNA**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP + 60 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **SPDR - 15 Days**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following:

Contents of Plan

Plan shall include a discussion of the following:

- **System Integration Roadways**
- **System Interfaces**
- **System Integration Tools**
- **Role of the JNTF and ISTC in the integration and test process**
- **Intro-element Integration**
- **Element-to-element Integration**
- **Deployment Integration activities**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **26 JAN 99**
 J. DATE: **26 JAN 99**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A023**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD Integration Plan**

Block 4: (Cont.)

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit Final System Integration Plan within 30 days after receipt of Government comments.

(End of A023)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A024**
2. TITLE OF DATA ITEM: **Request for Deviation**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of EIA/IS-649, National Consensus Standard for Configuration Management, dated August 1995.

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A025**
2. TITLE OF DATA ITEM: **Request for Waiver**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.1**
6. REQUIRING OFFICE: **F**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED:
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of EIA/IS-649, National Consensus Standard for Configuration Management, dated August 1995.

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A026**
2. TITLE OF DATA ITEM: **Nuclear Survivability Program Plan**
3. SUBTITLE: **NMD Nuclear Hardness and Survivability Program Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NUOR-80156A/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.6, 3.3.2, 3.4.2, 3.5.2, 3.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **PDR - 15 CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10.2 Delete last sentence****10.3.a Revise to read as follows:**

“a. The plan shall describe the specific design features and other approaches to be utilized to achieve nuclear survivability. (Delete second sentence) 7. 3 through 7.7, delete in their entirety.”

10. c. Delete second sentence in its entirety**10.d. Delete second sentence in its entirety****10.e Delete word “respective” in first sentence, delete second sentence in its entirety.****10.g and h delete in their entirety****10.4.a, Change to read as follows :**

“a. The plan shall delineate analytical efforts that supplement or replace testing, to include computer codes, and the intended applications of analytical techniques.”

10.4.b delete in its entirety**10.4.c Revise as follows:**

“c. The plan shall delineate subsystem and system-level tests to be performed including methods of extrapolation from test environment to the threat environments, the test simulators and rationale for simulator choices and relationships to analytical efforts.”
(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: NMD LSI
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A026**
2. TITLE OF DATA ITEM: **Nuclear Survivability Program Plan**
3. SUBTITLE: **NMD Nuclear Hardness and Survivability Program Plan**

Block 4 (Cont.):

10.4.e Revise as follows:

10.4.d. Delete in its entirety

“e. The plan shall describe survivability philosophy used for selection and rejection of piece parts, materials, and device technologies. There shall be particular emphasis on design philosophy for hardness critical (HCI) and mission critical equipments. The plan shall describe the configuration control approach to control HCI’s and HCP’s.”

10.4.f Delete in its entirety

10.4.g Revise as follows:

“g. The plan shall delineate the projected requirements, driven by nuclear survivability of the system, for hardened parts, and the impacts of these requirements on the program and system design and operation.”

10.4.h (OK as is).

10.4.i Revise as follows:

“i. The plan shall identify the nuclear survivability trade-offs that shall be performed against other system requirements such as schedule cost, reliability and producibility.”

10.5.a Revise as follows:

“a. Nuclear survivability areas of high risk and uncertainty, including the impact on cost, performance, and weight.”

10.5.b,c and d delete in their entirety.

10.6.a Delete words “logistic support”.

10.6.d and e Delete in their entirety.

10.7 Delete entire paragraph.

10.8 and 9 (ok as is).

(End of A026)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A027**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.1, 3.4.1, 3.5.1, 3.6.1**
6. REQUIRING OFFICE: **BMDO/JNI**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10 Preparation Instructions.**

This CDRL shall contain specific completion criteria and associated metrics consistent with the NMD program.

Content. DRR Criteria and Metrics shall be organized based on the following:

•Performance Criteria

- Provide Assessment to Meet User Requirements
- Provide Ground and Flight Test Evaluations of System / Elements

•Demonstration Criteria

- Demonstrate Performance of NMD System Supported by Test & Evaluation Data

•Deployment Criteria

- Readiness to Produce and Deploy Effective NMD System
 - Establish / Maintain Capability and Flexibility to Deploy in 3 years
 - Provide Detailed Planning to Produce and Deploy NMD System with 3 years of Deployment Decision

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **A027**
 2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
 3. SUBTITLE: **DRR Criteria and Metrics**

Block 4: (Cont.)

•Deployment Criteria (Cont.)

- Demonstrate Flexible Robust Design that Preserves ABM Treaty Compliant Architecture**
- Deployment Readiness Plans**
- Operational Sustainment Readiness Plans**

•Operational Sustainment Readiness Plans Cost, Schedule and Risk for Deployment

- Candidate Development / Deployment Trades**
- Plan to Evolve from Proposed C1 Deployment(s) to C2/C3 Capability**

Blocks 8: DRR Criteria and Metrics shall be assumed to be approved by the Government unless the Contractor is notified in writing by the PCO within 30 calendar days after receipt.

Blocks: 10, 13: DRR Criteria and Metrics shall be prepared on an “ASREQ” basis. DRR Criteria and Metrics shall be submitted as least ANNUALLY and shall include CDRL A007, IMP Changes that result from changes in DRR Criteria and Metrics. In addition, IMP Changes that impact DRR Criteria and Metrics shall result in a revision

(End of A027)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A028**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Acceptance and Turnover Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **0TIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **DRR - 270D**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

The document will contain a detailed description of the Contractor's plan for preparing the NMD LSI System for acceptance by the Government. It will describe all acceptance testing to be performed by the Contractor and the criteria for successful completion of the tests. The plan will contain a detailed listing of the acceptance data package to be provided to the Government when the system is delivered, i.e., DD250.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SATP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 97**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 97**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A029**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Operational Suitability Assessment Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **120 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:


The document will contain the Contractor's assessment of the operational suitability of the system at the time the report is submitted. The assessment shall consider availability, compatibility, transportability, interoperability, reliability, war time usage rates, testability, maintainability, safety, human factors, manpower supportability, logistics supportability, natural environmental effects and impacts, documentation, and training requirements. The Contractor shall use analysis, modeling, simulations and test data in making the assessment and shall provide rationale and supporting data for the assessment results.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **4 JUN 98**
 J. DATE: **4 JUN 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A030**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.8.4** 
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **0TIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **120 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

The Consolidated Facilities Requirements Document (FRD) defines the facility concepts and requirements for deployment and operations of the NMD System. It determines the facility functional requirements for the system and provides traceability to the system requirements. The information is to be used to support facilities planning, design and budgeting/programming.

The FRD includes lists, design requirements and descriptions of all required facilities to support the NDM System and the Elements. It provides the descriptions for each facility required in terms of attributes or specified environments, which effect performance, design and/or cost.

FRDs included:

- **Functional descriptions**
- **General facility descriptions**
- **Current DD Form 1391**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT:: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR **BOEING**

1. DATA ITEM NO.: **A030**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD)**

Block 4: (Cont.)**FRDs included: (Cont.)**

- **Site plans, preliminary line drawings and facility specifications**
- **Utility and transportation requirements**
- **Construction contractor considerations and schedule requirements**
- **Security considerations**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final FRD within 30 days after receipt of Government comments.

(End of A030)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A031**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Deployment Plan (IDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.3.6, 3.4.6, 3.5.5, 3.6.9, 3.8.3**
6. REQUIRING OFFICE: **BMDO/JNP**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **30 Days prior to SPDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

The NMD Integrated Deployment Plan (IDP) will provide a managerial overview of the actions and activities required to plan for and execute deployment of an initial capability in support of the system identified in the Capability 1 (C1), support the Deployment Readiness Review and execute deployment of the NMD System.

The IDP will be the overarching plan to deploy a system capable of performing the defined mission in the operational environment as identified by the user. The plan will accomplish the following:

- Identify system-level deployment planning, plan requirements, and activities.
- Identify deployment planning and execution roles and responsibilities
- Identify required agreements between various agencies.

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **26 JAN 99**
 J. DATE: **26 JAN 99**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A031**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Deployment Plan (IDP)**

Block 4: (Cont.)

- **Identify deployment planning requirements, implementation constraints, and deployment status across all phases of the NMD Program:**

Identify deployment planning and site activation schedule requirements

Provide a roadmap to the plans and schedules required and being developed to execute the deployment tasks and activities.

Facilitate identification of deployment concerns and incorporation of those concerns into the development phase.

Identify required deployment milestones to include those to support production and manufacturing planning.

Ensure user needs and requirements are incorporated into deployment planning.

Contain the system-level execution planning for deployment, if directed to do so in the FY00 Deployment Readiness Review.

Develop assessment criteria for deployment planning readiness.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final IDP within 30 days after receipt of Government comments.

(End of A031)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A032**
2. TITLE OF DATA ITEM: **Site Preparation Requirements and Installation Plan**
3. SUBTITLE: **Capstone Site Activation Plan (CSAP)**
4. AUTHORITY: (Data Acquisition Document No.): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.3.6, 3.4.6, 3.5.5, 3.6.9, 3.8.3**
6. REQUIRING OFFICE: **BMDO/JNP**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **PDR 30CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4: The CSAP shall be organized into volumes and its contents shall be essentially as specified in the document entitled Documentation Tree for the Capstone Site Activation Plan, dated October 4, 1996 (Document prepared by TRW Inc., under contract number HQ0006-95-C-0018, and provided to LSI Contractor as part of Request for Proposal Library documentation.) CSAP content related to NMD sites will use current sites rather than those anticipated in 1996.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final CASP within 30 days after receipt of Government comments.

G. PREPARED BY: **HANS PITTNER**
 I. APPROVED BY: **ROY HUFFMAN**

H. DATE: **7 MAY 99**
 J. DATE: **7 MAY 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A033**
2. TITLE OF DATA ITEM: **Integrated Logistics Support Plan**
3. SUBTITLE: **Integrated Logistics Support Plan (ILSP) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-80095**
5. CONTRACT REFERENCE: **SOW para. 3.3.6, 3.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **90 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor shall use DI-ILSS-80095 as a guide.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final ILSP-Update within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
 J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A034**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD System Training Plan (STP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **SPDR -60CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

The document shall contain the Contractor's plans for preparing for and conducting training of Government personnel on the NMD System through all phases of the program. It shall include identification of training courses to be conducted, training material to be developed for the courses, training equipment to be provided, and training facility requirements. It shall identify the roles of the Contractor and the Government in all training activities as well as detail schedules.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final STP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___ **X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A035**
 2. TITLE OF DATA ITEM:
 3. SUBTITLE: **Safety Assessment Report (SAR) / Hazard Tracking System (HTS)**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
 5. CONTRACT REFERENCE: **SOW para. 3.7.2**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **OTIME**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
 16. REMARKS:

Block 4:

Add paragraph 10.4. Document content will address potential hazards associated with physical and personnel safety, environmental pollution or hazardous materials and waste, and personal health, risk assessments and hazards prioritization, and the databases used to identify, track, and minimize the aforementioned hazards associated with each system test(s).

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SAR/HTS within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit first submission at SFR. Second submission shall be three weeks prior to SPDR. Subsequent deliveries shall be delivered 30 days prior to Milestones (for example: DRR, ISPV). Subsequent deliveries shall not exceed three releases per calendar year.

G. PREPARED BY: **LT COL MUN KWON** H. DATE: **P00047**
 I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC** J. DATE: **P00047**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP_____ TM_____ OTHER **X**____
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A036**
 2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
 3. SUBTITLE: **Range Safety Data Package**
 4. AUTHORITY: (Data Acquisition Document No.): **DI-MISC-80711/T**
 5. CONTRACT REFERENCE: **SOW para. 3.7.2**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **AD**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ASREQ**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **At SFR**
 13. DATE OF SUBSEQUENT SUBMISSION: **Draft copy 5 months prior to each test as required. Final copy 3 months prior to each test as required.**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
 16. REMARKS:

Block 4:

Add paragraph 10.4. This document will address all potential safety hazards associated with preparing and conducting flight test operations at VAFB and USAKA, and the precautions taken, consistent with operational requirements, to protect mission objectives, prevent injury to local, permanent and transient Contractor/Government personnel, minimize damage to property, and preclude the advent of an international incident.

New paragraph 10.5. Document will include:

- **Terminal and/or launch area hazard analyses associated with incoming re-entry vehicles (e.g., debris from booster stages post-boost vehicles, etc., probably of impact, debris dispersal; ground safety missile buildup, transport, and associated ground handling procedures.**
- **Local launch hazard analyses associated with a missile containing a Flight Termination System (FTS) Contractor Furnished. Consisting of the following:**
 - **Hazard area (debris corridor) clearances, range tracking and missile Inertial Nav System (INS) (or GNC) data to estimate missile deviation footprint.**

(Continued)

G. PREPARED BY: **LT COL MUN KWON** H. DATE: **P00047**
 I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC** J. DATE: **P00047**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A036**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Range Safety Data Package**

Block 4: (Cont.)

- **Hazard area analyses associated with local launch operations. Hazard operations include:**
 - **Booster/payload/assy, transport and handling at USAKA and Target Vehicle Assembly, transport and handling at VAFB.**
 - **WS/launch cell mech, Elec. Ops. at USAKA**
 - **WS/USAKA integration testing.**
- **Booster/payload mating & C/O:**
 - **Payload (EKV) propellant and gases pressurization.**
 - **Ordnance transport, handling and installation.**
 - **Electrical c/o of ordnance after installation.**
- **Identification of hazardous systems:**
 - **Booster (Net Explosive Weight of TNT, explosives classification).**
 - **P/L (EKV) Propellant and gas pressurized vessels, explosive devices (FTS and separation system), radioactive/toxic chemicals/materials.**
 - **GSE (TBD)**

(End of A036)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A037**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para.3.2.2, 3.3.2, 3.4.2, 3.5.2, 3.6.1, 3.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A038**
2. TITLE OF DATA ITEM: **Contractor's Management Plan**
3. SUBTITLE: **NMD Configuration Management Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80858A/T**
5. CONTRACT REFERENCE: **SOW para.3.2.7, 3.3.2, 3.4.2, 3.5.2, 3.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **SFR - 15 days**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows:

This DID contains the format, content, and preparation instructions for a data item resulting from work tasks described in EIA/IS 649.

10.2 Format and Content. Change to read as follows:

The Contractor's Configuration Management Plan format and content shall be in accordance with EIA/IS 649.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A039**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Behavior Analysis Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following: Contents of report shall:

Identify/Document results of Behavior Verification for BMC3 upgrades/modifications to BMC3 elements

- **Compared to Baseline BMC3 Behavior**
- **Compared to BMC3 Requirements**

Block 10: Report verification of changes following each upgrade/modification to BMC3 Element of NMD System.

Blocks 12, 13: Within 30 Days following completion of each incremental upgrade to BMC3 Element.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
 J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A040**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Information Architecture Status Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT DRR**
13. DATE OF SUBSEQUENT SUBMISSION: **N/A**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10 Preparation instructions.

This CDRL documents the status of the Information Architecture at the end of the CLIN and delivers a complete version of the Information Architecture Model.

10.2 Change to read as follows: Report will be prepared in contractor format and submitted as electronic files via zip disk.

10.3 Change to read as follows: This report shall contain three electronic files:

10.3.1 A complete up-to-date version of the Information Architecture Model.

10.3.2 A file containing a detailed description of the functions of the Information Architecture and its interfaces with other elements/systems.

10.3.3 A File containing a complete dictionary of terms and definitions used in the Information Architecture.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A041**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **NMD System Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MNTY-81188**
5. CONTRACT REFERENCE: **SOW para. 3.2.4**
6. REQUIRING OFFICE: **N/A**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **SFR - 15 days**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10.1 Delete "Demonstration and Evaluations".

10.2 Content. Delete and insert the following:

The Verification Plan shall describe, at the system level, how system requirements will be verified through testing, simulation and analysis. It shall include top level schedules, descriptions of test facilities and equipment, and overall planning approach.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A042**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Universal Documentation System Inputs**
4. AUTHORITY: (*Data Acquisition Document* **DI-MISC-80711/T**
No.):
5. CONTRACT REFERENCE: **SOW para. 3.7.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10 Preparation Instructions.**

This CDRL covers the PI, PRD, and OR Documents as defined in RCC Document 501.97. The necessary updates will be generated using the format instructions contained in RCC Document 501-97 or as established by existing versions of NMD UDS documents.
Content. Content shall be as prescribed in RCC Document 501.97.

Block 16: UDS Inputs shall be submitted IAW as required IAW schedule guidelines in Para. 3.4 of RCC Document 501-97 and as required for KMR and other Test Facilities for Government approval.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final UDSI within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A043**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Kill Vehicle Down Select Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.3.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10. Preparation Instructions. The report shall provide an update of the KV downselect plan generated during the NMD LSI Concept Definition (CD) phase contract and submitted as part of the CDRL B002. The report shall document changes identified since the original plan submittal and provide additional implementation detail. The detail shall be adequate for monitoring and approval of the downselect process and program.

10.3 Content.

- **Overview**
- **Downselect Mechanisms**
- **Downselect timing & Recommendations**
- **Management Approach**
- **Source Selection Criteria & Weighting**
- **Downselect Data Package**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A044**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Initial Sustainment Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.8.3**
6. REQUIRING OFFICE: **BMDO/JNP**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **DRR -30CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

This initial draft document shall describe the Contractor's plan for providing initial sustainment of the NMD System at all sites. It shall detail all sustainment support to be provided by the Contractor (and subcontractors) including support services (logistics and maintenance), spares and repair parts, depot support, training, documentation, software support, sustaining engineering and such other support and services as may be required under the terms of the contract. The information to be provided must be sufficient to assure the Government that the NMD System can be maintained at the required levels of readiness with the planned level of support.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final Initial Sustainment Plan within 30 days after receipt of Government comments.

G. PREPARED BY: **LT COL MUN KWON** H. DATE: **P00047**
 I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC** J. DATE: **P00047**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A045**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 3.3.5**
6. REQUIRING OFFICE: **GBI EPM**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **180 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:**10.3.1a Change to read as follows:**

“Title of the test program to be conducted.”

**Block 16: Submit revised Weapon System Test Plan by 1999 APR 06 (already submitted).
Additional submissions ASREQ.**

G. PREPARED BY: **HANS PITTNER**
I. APPROVED BY: **ROY G. HUFFMAN**

H. DATE: **12 APR 99**
J. DATE: **12 APR 99**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **A046**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **Weapon System Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427**
5. CONTRACT REFERENCE: **SOW para. 3.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A047**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 3.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/T**
11. AS OF DATE: **RASR**
12. DATE OF FIRST SUBMISSION: **180 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Change “test” to “verification”.

Verification is defined as demonstration, analyses (including math models and simulations) and inspections.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A048**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **BMC3 Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.3, 3.6.2**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Blocks 10, 12 and 13: Submit Draft BMC3 Element Specification 15 days prior to System Functional Review (SFR). Submit final BMC3 Element Level A Specification 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
 J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A049**
2. TITLE OF DATA ITEM: **Software Development Plan**
3. SUBTITLE: **BMC3 Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 3.6.2**
6. REQUIRING OFFICE: **BMDO/JNB**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Preparation Instructions: Plan shall be prepared in Contractor format.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A050**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **BMC3 Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 3.6.8**
6. REQUIRING OFFICE: **BMDO/JNB**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 12: Draft Plan shall be submitted at SFR. Plan shall be updated and submitted **by 1999 APR 30.**

G. PREPARED BY: **HANS PITTNER**
I. APPROVED BY: **ROY G. HUFFMAN**

H. DATE: **12 APR 99**
J. DATE: **12 APR 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A051**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **BMC3 Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**
5. CONTRACT REFERENCE: **SOW para. 3.6.2**
6. REQUIRING OFFICE: **BMDO/JNB**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Blocks 12 and 13: Plan shall be submitted in draft form at SFR. Final plan shall be submitted by 1999 APR 30.

Plan shall be updated as required following each BMC3 update build.

G. PREPARED BY: **HANS PITTNER**
I. APPROVED BY: **ROY G. HUFFMAN**

H. DATE: **12 APR 99**
J. DATE: **12 APR 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A052**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **XBR Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431**
5. CONTRACT REFERENCE: **SOW para. 3.2.3, 3.5.2**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Blocks 10, 12 and 13: Submit Draft XBR Element Specification 15 days prior to System Functional Review (SFR). Submit final XBR Element Level A Specification 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A053**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **XBR Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 3.5.2**
6. REQUIRING OFFICE: **GBR EPM**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **AT PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A054**
2. TITLE OF DATA ITEM: **Verification, Demonstration, and Evaluation Plan**
3. SUBTITLE: **XBR Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**
5. CONTRACT REFERENCE: **SOW para. 3.5.2, 3.5.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **AT PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A055**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **XBR Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 3.5.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **PDR + 90 D**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A056**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **UEWR Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431**
5. CONTRACT REFERENCE: **SOW para. 3.2.3, 3.4.2**
6. REQUIRING OFFICE: **BMDO/JNE**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Blocks 10, 12 and 13: Submit draft UEWR Element Specification 15 days prior to System Functional Review (SFR).

Submit final UEWR Element Level A Specification 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **26 JAN 99**
J. DATE: **26 JAN 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A057**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **UEWR Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 3.4.2, 3.4.3, 3.4.4**
6. REQUIRING OFFICE: **UEWR EPM**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A058**
2. TITLE OF DATA ITEM: **Verification, Demonstration, and Evaluation Plan**
3. SUBTITLE: **UEWR Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**
5. CONTRACT REFERENCE: **SOW para. 3.4.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **AT PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A059**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **UEWR Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 3.4.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **PDR + 90 CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A060**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Final Report, Basic Contract**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 3.2.1**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **DD250**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **DRAFT EOBC - 60 D**
13. DATE OF SUBSEQUENT SUBMISSION: **FINAL EOBC**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

- **All Contractor format is acceptable**
- **Content shall include:**
 - A. **Complete discussion which demonstrates all planning and material is in place to go to Deployment or Continued Development including:**
 - (1) **Identification of all developed NMD capabilities ready for incorporation.**
 - (2) **Reference to latest NMD System Space, Element Level A-Specifications, Prime Item/Configuration Item Specifications, and NMD deployment planning documents. "Reference to" is defined as documents submitted to Government at least 60 calendar days prior to EOBP.**
 - (3) **Submittal of specifications or planning documents which have not been received by the Government 60 days prior to EOBP.**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **15 SEP 98**
J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A061**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **Weapon System Prime Item Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 3.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Add Format - Contractor format is acceptable

Blocks 10, 12 and 13: Submit Draft Weapon System Prime Item Specification 15 days prior to System Functional Review (SFR).

Submit final Weapon System Prime Item Specification 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
 C. CATEGORY: TDP___ TM___ OTHER **X**
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A063**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Inputs to NMD Cost Analysis Requirements Description (CARD)**
4. AUTHORITY (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW 3.2.9**
6. REQUIRING OFFICE: **BMDO/JNA**
7. DD 250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

10.3 Content. Prepare Input to the NMD CARD in the format set forth in Section E, Chapter 1 of DoD 5000.4-M, "Department of Defense Manual Cost Analysis Guidance and Procedures" as further tailored herein. Breadth of content, level of detail shall be as contained in previously submitted Government NMD CARDS where they exist. Section 11 (Track to Prior CARD) shall be included in the NMD CARD submitted subsequent to 1999 SEP 10 and include a summary of NMD program changes and shall track to the previous Government CARD. Do not submit Section 12 (Contractor Cost Data Reporting Plan). In CARD sections involving the Work Breakdown Structure (e.g., 1.1.3, System Configuration), provide appropriate mapping from the Contract Work Breakdown Structure (CWBS) to the BMDO Cost Breakdown Structure (CBS) contained in Figure 2.0-1 of Appendix E of the NMD Cost Analysis/Estimating Terms of Reference (TOR), Version 3.1, October 1998.

10.3.1 NMD Alternatives. The NMD CARD shall address the following four alternatives: (1) Alaskan-based NMD Capability One (NMD C1 CARD-AK); (2) Grand Forks-based NMD Capability One (NMD C1 CARD-GF); (3) Alaskan-based NMD Capability Two (NMD C2 CARD-AK), and (4) Grand Forks-based NMD Capability Two (NMD C2 CARD-GF).

(Continued)

G. PREPARED BY: **HANS PITTNER**
 I. APPROVED BY: **ROY HUFFMAN**

H. DATE: **12 JUL 99**
 J. DATE: **13 AUG 99**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER **X**
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A063**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Inputs to NMD Cost Analysis Requirements Descriptions (CARDS)**

Block 16 Remarks (Cont.)

Block 8: Government review and approval (or disapproval) and comments will be provided within 30 days after receipt. Submit revised Inputs to NMD CARD within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: Submit initial Inputs to NMD C2 CARD-AK and NMD C2 CARD-GF by 1999 MAR 01. Use the Government-submitted NMD C1 CARD-AK and NMD C1 CARD-GF provided to the Contractor as the point of departure. Thereafter, submit annual updated Input to all four NMD CARDS by 1999 SEP 10 and again by 2000 AUG 01. The Government reserves the right to call for up to two (2) additional* "out-of-cycle" CARD Updates in the event of major budget or program changes. Any out-of-cycle submission called for shall be in writing by the PCO and shall be due sixty (60) days after the notification is received by the Contractor. If called for, the out-of-cycle submission shall be for the C1 alternative (both locations) or the C2 alternative (both locations), or for both C1 and C2.

*** One out-of-cycle CARD Update already delivered in response to PCO Ltr Ser DCTD/LSI/98-023.**

(End of A063)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0002** B. EXHIBIT: **A**
C. CATEGORY: TDP___ TM___ OTHER **X**
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **A065**
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921)**
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report – DD1921 (NMD CCDR)**
4. AUTHORITY (DATA ACQUISITION DOCUMENT NO.): **DI-FNCL-81565**
5. CONTRACT REFERENCE:
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD 250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **2TIMES**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 Days After Effective Date of Modification**
13. DATE OF SUBSEQUENT SUBMISSION: **60 Days After Completion of IFT-5**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC) x12 EDI 196 Transaction Set.

Reports shall include all contract costs (prime and subcontractor) in accordance with the attached GBI Cost Breakdown Structure (CBS), modified CCDR-DD 1921. This reports to level 3 of the GBI CBS Work Breakdown Structure (WBS) element. Provide a separate mapping from the Contract Work Breakdown Structure (CWBS) to the Government CBS, if different. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the “Total” blocks only (blocks F and J). Do not complete G (Number of Units). Prior to the initial submission, Government representatives from, or arranged by, the Requiring Office will meet with the Contractor to identify any specific CWBS breakouts that do not require reporting.

G. PREPARED BY: **Lt Col MUN KWON** H. DATE: **P00052**
I. APPROVED BY: **MR. MIKE WALLACE** J. DATE: **P00052**

GBI Cost Breakdown Structure (CBS)
Modified CCDR - DD Form 1921

HQ0006-98-C-0003
P00052
Attachment to CDRL A065

		National Missile Defense LSI		Initial Submission Change Contract #		Work Breakdown Structure Program Contract				
		Review & Reference #		Prepared by:		Location:				
				Program Totals		Report Frequency				
WBS Element										
			RDT&E		Procurement		CCDR Form #s			
			Units	Cost (\$M)	Units	Cost (\$M)	DD Form 1921	DD Form 1921-1	DD Form 1921-2	DD Form 1921-3
National Missile Defense System										
1000	Weapons System						S	S		
1100	PRIME MISSION PRODUCT (AIR VEHICLE)						S	S		
1101	SEEKER									
1102	OPTICAL TELESCOPE									
1103	SEEKER ELECTRONICS									
1104	CRYOGENICS									
1105	FPA-VISIBLE									
1106	FPA-LWIR									
1107	SEEKER (OTHER)									
1110	SEEKER INTERGRATION									
1120	IMU						S	S		
1130	DACS						S	S		
1140	COMMUNICATIONS						S	S		
1150	POWER SUPPLY						S	S		
1160	KV STRUCTURE						S	S		
1170	KV INTEGRATION & ASSEMBLY						S	S		
1180	LASER INITIATION SYSTEM						S	S		
1190	GPSS						S	S		
119A	SHROUD						S	S		
119B	ADAPTER						S	S		
1200	KV (OTHER)						S	S		
1600	BOOSTER						S	S		
1610	INTEGRATION AND CHECKOUT									
1620	AIR VEHICLE AND EKV INTEG AND CHECKOUT						S	S		
	BOOSTER INTEGRATION AND CHECKOUT									

EXHIBIT B

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

NMD LSI Continued Development #1 CDRL

18 March 1998

Block 14, Distribution*

<i>CDRL SEQ No.</i>	B001	B002	B003	B004	B005	B006
<i>Short Title</i>	DRR	NMD SDP	PMMA&R	DRR C&M	TR	WS TP
BMDO/JNC	4	4	4		4	4
BMDO/POE						
BMDO/POC						
BMDO/DCTD	1	1	1		1	1
SFAE-AMD-NMD	1	1	1		1	1
SAF/AQSI	1	1	1		1	1
Navy Code 865	1	1	1		1	1
ACO						
TIC	1	1	1		1	1
Block 15,Total	9	9	9		9	9

Block 14, Distribution*

<i>CDRL SEQ No.</i>	B007	B008	B009	B010	B011
<i>Short Title</i>	WS SDP	BMC3 EL A SPEC	BMC3 SDP	XBR SDP	UEWR SDP
BMDO/JNC	4	4	4	4	4
BMDO/POE					
BMDO/POC					
BMDO/DCTD	1	1	1	1	1
SFAE-AMD-NMD	1	1	1	1	1
SAF/AQSI	1	1	1	1	1
Navy Code 865	1	1	1	1	1
ACO					
TIC	1	1	1	1	1
Block 15,Total	9	9	9	9	9

Table B-1, CDRL Distribution Matrix

* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B001**
2. TITLE OF DATA ITEM: **Design Review Data Pack**
3. SUBTITLE: **C1U1 Deployment Readiness Review (DRR) Data Pack**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 4.2.1, 4.3.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250A; Data Package per ILSS-81335. Contractor format is acceptable.

Block 8: **Agenda:** Government agenda comments will be provided within 10CD after receipt. **Data Package:** Government comments, if applicable, to the presentation material will be provided within 7 days after receipt. **Minutes:** Government approval (or disapproval) and comments will be provided within 45 days after receipt.

Blocks 10, 12 and 13: **Agenda:** Submit agenda 15CD prior to C1U1 DRR. **Data Package:** Submit paper copies of the presentation material 15CD prior to C1U1 DRR. Handouts of the Presentation Material/Data Package to attendees at C1U2 DRR. **Minutes:** Submit Minutes within 14CD after review. If disapproved or corrections are required, submit revised Minutes within 14 days of receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B002**
 2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
 3. SUBTITLE: **NMD Software Development Plan (SDP)**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
 5. CONTRACT REFERENCE: **SOW para. 4.2.3 4.3.2**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ONE/T.**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
 16. REMARKS:

Block 4:

Delete the following paragraphs in their entirety:

**4.2.3,
 4.2.3.1,
 4.2.3.2,
 4.2.5 and
 5.8**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final NMD Software Development Plan within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: The Software Development Plan (SDP) will be updated, as required, and submitted for Government approval at C1U1 Preliminary Design Review (PDR).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B003**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 4.2.1, 4.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250; Presentation Material per DI-ADMN-81373.

Blocks 10, 12 and 13: Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes, if required will be submitted within 14 days after review. If corrections are required, submit revised within 14 days of receipt of Government comments.

Applicability: This CDRL shall apply to the following program reviews/meetings:

1. **C1U1 Preliminary Design Review (PDR)**
2. **C1U1 Interim Design Review (IDR)**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B004**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.1, 4.3.6**
6. REQUIRING OFFICE: **BMDO/JNI**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP + 30 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:**10 Preparation Instructions.**

This CDRL shall contain specific completion criteria and associated metrics consistent with the NMD program, updated for C1U1.

Content. DRR Criteria and Metrics shall be organized based on the following:

- **Performance Criteria**
 - Provide Assessment to Meet User Requirements
 - Provide Ground and Flight Test Evaluations of System / Elements
- **Demonstration Criteria**
 - Demonstrate Performance of NMD System Supported by Test & Evaluation Data
- **Deployment Criteria**
 - Readiness to Produce and Deploy Effective NMD System
 - Establish / Maintain Capability and Flexibility to Deploy in 3 years
 - Provide Detailed Planning to Produce and Deploy NMD System with 3 years of Deployment Decision

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B004**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**

Block 4: (Cont.)

•Deployment Criteria (Cont.)

- Establish / Maintain Capability and Flexibility to Deploy in 3 years
- Provide Detailed Planning to Produce and Deploy NMD System with 3 years of Deployment Decision
- Operational Sustainment Readiness Plans
- Demonstrate Flexible Robust Design that Preserves ABM Treaty Compliant Architecture
- Deployment Readiness Plans

•Operational Sustainment Readiness PlansCost, Schedule and Risk for Deployment

- Candidate Development / Deployment Trades
- Plan to Evolve from Proposed C1 Deployment(s) to C2/C3 Capability

Blocks 8: DRR Criteria and Metrics shall be assumed to be approved by the Government unless the Contractor is notified in writing by the PCO within 30 calendar days after receipt.

Blocks: 10, 13: DRR Criteria and Metrics shall be prepared on an “ASREQ” basis. DRR Criteria and Metrics shall be submitted as least ANNUALLY and shall include CDRL A007, IMP Changes that result from changes in DRR Criteria and Metrics. In addition, IMP Changes that impact DRR Criteria and Metrics shall result in a revision

(End of B004)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B005**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.2, 4.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B006**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para.**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update 60 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

10.3.1a Change to read as follows:

“Title of the test program to be conducted.”

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B007**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **Weapon System Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427**
5. CONTRACT REFERENCE: **SOW para. 4.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B008**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **BMC3 Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 4.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

Add Format - Contractor format is acceptable

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final BMC3 Element Level A Specification within 30 days of receipt of Government comments.

Blocks 10, 12, and 13: Submit incremental update to BMC3 Element Level A Specification 15 days prior to C1U1 PDR.. Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B009**
2. TITLE OF DATA ITEM: **Software Development Plan**
3. SUBTITLE: **BMC3 Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 3.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT C1U1 PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

Preparation Instructions: Plan shall be prepared in Contractor format.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B010**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **C1 XBR Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 4.5.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0103** B. EXHIBIT: **B**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **B011**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **UEWR Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 4.4.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table B-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

EXHIBIT C

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

NMD LSI Deployment CDRL

30 March 2000 |

Block 14, Distribution*						
<i>CDRL SEQ No.</i>	C001	C002	C003	C004	C005	C006
<i>Short Title</i>	NMD CCDR DD1921-1	NMD ITEP	G&FTE&AFT	PMMA&R	SA&TP	OSAR
BMDO/JNC	1	4	4	4	4	4
BMDO/POC	1					
BMDO/DCTD		1	1	1	1	1
SFAE-AMD-NMD		1	1	1	1	1
SAF/AQSI		1	1	1	1	1
Navy Code 865		1	1	1	1	1
ACO				1		
TIC		1	1		1	1
OSD/PA&E	1					
Block 15,Total	3	9	9	9	9	9

Block 14, Distribution*						
<i>CDRL SEQ No.</i>	C007	C008	C009	C010	C011	C012
<i>Short Title</i>	CSAP	TR	SBAR	IA	NMD SVP	ISP
BMDO/JNC	4	4	4	4	4	4
BMDO/POC						
BMDO/DCTD	1	1	1	1	1	1
SFAE-AMD-NMD	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1
ACO						
TIC	1	1	1	1	1	1
OSD/PA&E						
Block 15,Total	9	9	9	9	9	9

Table C-1, CDRL Distribution Matrix

* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER__X___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **C001**
2. TITLE OF DATA ITEM: **Functional Cost-Hour Report (DD Form 1921-1)**
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report-DD 1921-1 (NMD CCDDR/1921-1)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-F-6007/T**
5. CONTRACT REFERENCE: **SOW para. 8.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC) X12 EDI 196 Transaction Set.

10.1 Content.

Submit Sections A and B. Do not submit Sections C and D (page 2 of DD Form 1921-1).

Include Interdivisional Work Authorizations/Interdivisional Transfers in the "Subcontractor Or Outside Production and Services" column.

Do not include costs for Sustainment activities (CLIN 0203) after Initial Operational Capability (IOC) has been reached.

Block 13: Provide the final submission 60 days after CLIN 0201 has been accepted.:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___ **X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C002**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-81284/T**
5. CONTRACT REFERENCE: **SOW para. 3.7.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Draft SFR -75CD**
13. DATE OF SUBSEQUENT SUBMISSION: **Final at SFR and ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

3. DESCRIPTION/PURPOSE

3.1 Change to read as follows: "The Plan ITEP outlines the plans and performance objectives at every level of testing on systems and subsystems. It provides the procuring activity with the test concept, objectives and requirements to be satisfied, test methods, elements, responsible activities associated with the testing, measures required, test data processing requirements, and recording analysis and evaluation procedures to be used."

7.2 Change to read as follows: "This DID is applicable to system and subsystem tests that include laboratory tests, simulations, ground tests, flight tests, integration tests, human factor tests, operational tests and acceptance tests."

10.1 Format. Change "The tTest and Evaluation Program pPlan (TEPP) shall be in the contractor's format and shall conform to the following:" to read "The Integrated Test and Evaluation pPlan (ITEP) shall be in the contractor's format".

10.1.1 Delete

10.1.2 Delete

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C002**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**

Block 4: (Cont.)

10.2.2 Introduction. Change to read as follows: “The introduction shall describe the plan and its relationship to the elements of the overall program, and an overview of the test program’s objectives, including process flow diagrams, milestones/significant accomplishments, test resources and personnel, and relationship to design development, production and tactical deployment.

10.2.3 Change “The TEPP...” to “The ITEP...”

10.2.4 Change “i.e., Joint Test Group (JTG)”

10.2.5 Tests and examinations. Chnage “The TEPP” to “The ITEP”**10.3.2** Change the first sentence to read as follows: “Consists of an overview of the objectives of the plan, including process flow diagrams, milestones, personnel participation, locations, schedules, and security measures to be observed.”

10.3.310.2.5.1 Change to read as follows: “Process Flow Diagrams. The process flow diagrams will reflect a functional description of the test and evaluation program using a block diagram portrayal of the functions that must be met to satisfy the total test program.”

10.2.5.2 References. Change “The TEPP...” to “The ITEP...”

10.2.5.3 Change to read as follows: “Test and Evaluation Objectives. Describes the objective of each test performed, including the traceability to requirements documents, test requirements, data requirements and evaluation criteria for each test.”

- a. Test requirements
- b. Data requirements
- c. Evaluation
- d. Criteria

10.2.5.4 Test support requirements.

10.2.5.4a Change to read as follows: “Instrumentation. Indicates the data collection method that will be used and the approximate number and types of parameters to be recorded.”

10.2.5.4b Test Logistics,” change to “identify logistics requirements including maintenance and repair for test equipment and facilities, and packaging, handling, storage and transportation (PHS&T) for test articles, support equipment and spares.

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **C002**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**

Block 4:(Cont.)

10.2.5.4c Change “Government facilities” to “Government facilities and locations for each type of test...”Change to read as follows: **“Government test facilities.** Identify the specific government to be used for each type of test.”

10.2.5.4d Change to read as follows: **“Data reduction and analysis.** Describes data to be collected and the data reduction and analysis techniques that will be used to interpret the data.” “An overview of the procedures that the contractor will use to analyze, evaluate, and verify the test results will also be provided.

10.2.5.5 Change to read: **General Tests:** This section shall provide a listing for each type of test, a description, test methodology and general change to procedures.

10.2.5.6 Special tests. Change to read as follows: **“Special tests.** Provides a list of special test resources necessary to verify satisfactory system or subsystem performance to specifications.”

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

(End of C002)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C003**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ATTS-81273/T**
5. CONTRACT REFERENCE: **SOW para. 8.7.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

3.1 Change first sentence to read as follows: "This report documents the results of the evaluation of a system's test design".

7.1 Change to read as follows: "This DID contains the format and preparation instructions for system evaluation resulting from a specified test phase or period."

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: "Format. The Test Evaluation and Assessment Final Report shall be in the contractor's format."

10.3 Change to read as follows: "Content Requirements. The content of the Test Evaluation and Assessment Final Report shall be the following:."

10.3.1 Change to read as follows: "A brief description of the functional operation of the system and of each element."

10.3.2 Change to read as follows: "A description of the systems operational concept."

10.3.3.1 Change to read as follows: "Identification of mission requirements and operational constraints."

10.3.3.2 Change to read as follows: "For each item to be included in this analysis, a definition of risks and risk mitigation and identification of areas that require additional testing."

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C003**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**

Block 4: (Cont.)

10.3.3.3 Change to read as follows: "System integration and performance measurements tested."

10.3.3.4 Change to read as follows: "System engagement performance measurements tested, e.g., acquisition, track, discrimination, interception, etc.."

10.3.3.5 Change to read as follows: "System kill capability and performance assessment."

10.3.3.6 Change to read as follows: "Human-in-control operations and performance Measurements tested."

10.3.3.7 Add item to read as follows: "Assessment of verification related to testing, demonstrations, inspections and T&E analysis".

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit Draft Report will be submitted 75 calendar days prior to Systems acceptance for Government approval. Submit Final at End of Deployment period (CLIN 0201).

(End of C003)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C004**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 8.2.1, 8.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250; Presentation Material per DI-ADMN-81373.

Blocks 10, 12 and 13: Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes, if required will be submitted within 14 days after review. If corrections are required, submit revised within 14 days of receipt of Government comments.

Applicability: This CDRL shall apply to the following formal program reviews/meetings:

- 1. System Critical Design Review (SCDR)/Production Readiness Review (PRR)**
- 2. Site Activation Readiness Review (SARR)**
- 3. System Verification Review (SVR)**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C005**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Acceptance and Turnover Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 8.8.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **0TIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

The document will contain a detailed description of the Contractor's plan for preparing the NMD LSI System for acceptance by the Government. It will describe all acceptance testing to be performed by the Contractor and the criteria for successful completion of the tests. The plan will contain a detailed listing of the acceptance data package to be provided to the Government when the system is delivered, i.e., DD250.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SATP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C006**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Operational Suitability Assessment Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 8.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **120 Days after Option**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

The document will contain the Contractor's assessment of the operational suitability of the system at the time the report is submitted. The assessment shall consider availability, compatibility, transportability, interoperability, reliability, war time usage rates, testability, maintainability, safety, human factors, manpower supportability, logistics supportability, natural environmental effects and impacts, documentation, and training requirements. The Contractor shall use analysis, modeling, simulations and test data in making the assessment and shall provide rationale and supporting data for the assessment results.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C007**
2. TITLE OF DATA ITEM: **Site Preparation Requirements and Installation Plan**
3. SUBTITLE: **Capstone Site Activation Plan (CSAP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-80033**
5. CONTRACT REFERENCE: **SOW para. 8.3.6, 8.8.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **30 Days after Option is Exercised.**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final CASP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C008**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 8.2.3, 8.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **C**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C009**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Behavior Analysis Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 8.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following: Contents of report shall:

Identify/Document results of Behavior Verification for BMC3 upgrades/modifications to BMC3 elements

- Compared to Baseline BMC3 Behavior**
- Compared to BMC3 Requirements**

Block 10: Report verification of changes following each upgrade/modification to BMC3 Element of NMD System.

Blocks 12, 13: Within 30 Days following completion of each incremental upgrade to BMC3 Element.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C010**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Information Architecture (IA)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 8.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT DRR**
13. DATE OF SUBSEQUENT SUBMISSION: **NA**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
16. REMARKS:

Block 4:

10 Preparation instructions.

This CDRL documents the status of the Information Architecture at the end of the CLIN and delivers a complete version of the Information Architecture Model.

10.2 Change to read as follows: Report will be prepared in contractor format and submitted as electronic files via zip disk.

10.3 Change to read as follows: This report shall contain three electronic files:

10.3.1 A complete up-to-date version of the Information Architecture Model.

10.3.2 A file containing a detailed description of the functions of the Information Architecture and its interfaces with other elements/systems.

10.3.3 A File containing a complete dictionary of terms and definitions used in the Information Architecture.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C011**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **NMD System Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MNTY-81188/T**
5. CONTRACT REFERENCE: **SOW para. 8.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **System CDR - 30 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

10.1 Delete “Demonstration and Evaluations”.

10.2 Content. Delete and insert the following:

The Verification Plan shall describe, at the system level, how system requirements will be verified through testing, simulation and analysis. It shall include top level schedules, descriptions of test facilities and equipment, and overall planning approach.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0202** B. EXHIBIT: **C**
 C. CATEGORY: TDP___ TM___ OTHER___ **X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **C012**
 2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
 3. SUBTITLE: **Initial Sustainment Plan**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
 5. CONTRACT REFERENCE: **SOW para.8.8.5**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **OTIME**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **DRR +180CD**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table C-1**
 16. REMARKS:

Block 4:

This document shall describe the Contractor's plan for providing initial sustainment of the NMD System at all sites. It shall detail all sustainment support to be provided by the Contractor (and subcontractors) including support services (logistics and maintenance), spares and repair parts, depot support, training, documentation, software support, sustaining engineering and such other support and services as may be required under the terms of the contract. The information to be provided must be sufficient to assure the Government that the NMD System can be maintained at the required levels of readiness with the planned level of support.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final Initial Sustainment Plan within 30 days after receipt of Government comments.

G. PREPARED BY: **LT COL MUN KWON** H. DATE: **P00047**
 I. APPROVED BY: **MR MIKE WALLACE BMDO/RMC** J. DATE: **P00047**

EXHIBIT D

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

NMD LSI Continued Development #2 CDRL

18 March 1998

Block 14, Distribution*					
<i>CDRL SEQ No.</i>	D001	D002	D003	D004	D005
<i>Short Title</i>	DRR	NMD SDP	PMMA&R	DRR C&M	OSAR
BMDO/JNC	4		4	4	4
BMDO/POC					
BMDO/DCTD	1		1	1	1
SFAE-AMD-NMD	1		1	1	1
SAF/AQSI	1		1	1	1
Navy Code 865	1		1	1	1
ACO					
TIC	1		1	1	1
Block 15,Total	9		9	9	9

Block 14, Distribution*					
<i>CDRL SEQ No.</i>	D006	D007	D008	D009	D0010
<i>Short Title</i>	TR	WSTP	WSVP	PMMA&R	DRR C&M
BMDO/JNC	4	4	4	4	4
BMDO/POC					
BMDO/DCTD	1	1	1	1	1
SFAE-AMD-NMD	1	1	1	1	1
SAF/AQSI	1	1	1	1	1
Navy Code 865	1	1	1	1	1
ACO					
TIC	1	1	1	1	1
Block 15,Total	9	9	9	9	9

Table D-1, CDRL Distribution Matrix

* These are the intended recipients of CDRL items. Electronic per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D001**
2. TITLE OF DATA ITEM: **Design Review Data Pack**
3. SUBTITLE: **C1U2 Deployment Readiness Review (DRR) Data Pack**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 5.2.1, 5.3.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250A; Data Package per ILSS-81335. Contractor format is acceptable.

Block 8: Agenda: Government agenda comments will be provided within 10CD after receipt. Data Package: Government comments, if applicable, to the presentation material will be provided within 7 days after receipt. Minutes: Government approval (or disapproval) and comments will be provided within 45 days after receipt.

Blocks 10, 12 and 13: Agenda: Submit agenda 15CD prior to C1U2 DRR. Data Package: Submit paper copies of the presentation material 15CD prior to C1U2 DRR. Handouts of the Presentation Material/Data Package to attendees at C1U2 DRR. Minutes: Submit Minutes within 14CD after review. If disapproved or corrections are required, submit revised Minutes within 14 days of receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D002**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **NMD Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

Delete the following paragraphs in their entirety:

**4.2.3,
4.2.3.1,
4.2.3.2,
4.2.5 and
5.8**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final NMD Software Development Plan within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: The Software Development Plan (SDP) will be updated, as required, and submitted for Government approval at C1U2 Preliminary Design Review (PDR).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D003**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 5.2.1, 5.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

**Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250;
Presentation Material per DI-ADMN-81373.**

Blocks 10, 12 and 13: Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes, if required will be submitted within 14 days after review. If corrections are required, submit revised within 14 days of receipt of Government comments.

Applicability: This CDRL shall apply to the following formal program reviews/meetings:

1. **C1U2 Preliminary Design Review (PDR)**
2. **C1U2 Interim Design Review (IDR)**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D004**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.1, 5.3.6**
6. REQUIRING OFFICE: **BMDO/JNI**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP + 30 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

This CDRL shall contain specific completion criteria and associated metrics consistent with the NMD program, updated for C1U2.

Content. DRR Criteria and Metrics shall be organized based on the following:

•Performance Criteria

- Provide Assessment to Meet User Requirements
- Provide Ground and Flight Test Evaluations of System / Elements

•Demonstration Criteria

- Demonstrate Performance of NMD System Supported by Test & Evaluation Data

•Deployment Criteria

- Readiness to Produce and Deploy Effective NMD System
 - Establish / Maintain Capability and Flexibility to Deploy in 3 years
 - Provide Detailed Planning to Produce and Deploy NMD System with 3 years of Deployment Decision

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D004**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**

Block 4: (Cont.)

- **Deployment Criteria (Cont.)**
 - **Demonstrate Flexible Robust Design that Preserves ABM Treaty Compliant Architecture**
 - **Deployment Readiness Plans**
 - **Operational Sustainment Readiness Plans**
- **Cost, Schedule and Risk for Deployment**
 - **Candidate Development / Deployment Trades**
 - **Plan to Evolve from Proposed C1 Deployment(s) to C2/C3 Capability**

Blocks 8: DRR Criteria and Metrics shall be assumed to be approved by the Government unless the Contractor is notified in writing by the PCO within 30 calendar days after receipt.

Blocks: 10, 13: DRR Criteria and Metrics shall be prepared on an “ASREQ” basis. DRR Criteria and Metrics shall be submitted as least ANNUALLY and shall include CDRL A007, IMP Changes that result from changes in DRR Criteria and Metrics. In addition, IMP Changes that impact DRR Criteria and Metrics shall result in a revision.

(End of D004)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D005**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Operational Suitability Assessment Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 5.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **45 Days prior to PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

The document will contain the Contractor's assessment of the operational suitability of the system at the time the report is submitted. The assessment shall consider availability, compatibility, transportability, interoperability, reliability, war time usage rates, testability, maintainability, safety, human factors, manpower supportability, logistics supportability, natural environmental effects and impacts, documentation, and training requirements. The Contractor shall use analysis, modeling, simulations and test data in making the assessment and shall provide rationale and supporting data for the assessment results.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D006**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.2, 5.2.8, 5.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D007**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 5.3.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update 60 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:
Block 4:
10.3.1A Change to read
“Title of the test program to be conducted.”

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D008**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 5.3.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/T**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update 60 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

Change “test” to “verification”.

Verification is defined as demonstration, analyses (including math models and simulations) and inspections.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0113** B. EXHIBIT: **D**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **D009**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **BMC3 Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 5.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table D-1**
16. REMARKS:

Block 4:

Add Format - Contractor format is acceptable

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final BMC3 Element Level A Specification within 30 days of receipt of Government comments.

Blocks 10, 12, and 13: Submit incremental update to BMC3 Element Level A Specification 15 days prior to C1U2 PDR.. Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

EXHIBIT E

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

CDRL Instructions and NMD LSI Basic Contract CDRL

1 March 1999 |

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	E001	E002	E003	E004	E005	E006	E007	E008	E009
<i>Short Title</i>	CFSR	CPR	IMS	NMD PPMP	SS	NMD ITEP	G&FTE &AFR	DRR	DAL/ID
BMDO/JNC	4	4	4	1	4	4	4	4	4
BMDO/POC	1	1	1						
BMDO/DCTD	1	1	1		1	1	1	1	1
BMDO/DSIS				1					
ESC/NDB		1	1						
SFAE-AMD- NMD	1	1	1		1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO	1	1	1						
TIC				1	1	1	1	1	1
Block 15,Total	10	10	10	5	9	9	9	9	9

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	E010	E011	E012	E013	E014	E015	E016	E017	E018
<i>Short Title</i>	ECP	WS EL A SPEC	NMD SDP	RMP	SSPP	PCPP	PMMA &R	S/SDD	NMD EICD's
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15,Total	9	9	9	9	9	9	9	9	9

Table E-1, CDRL Distribution Matrix

- These are the intended recipients of CDRL items. Electronic per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	E019	E020	E021	E022	E023	E024	E025	E026	E027
<i>Short Title</i>	NMD IP	NMD NH&S PP	DRR C&M	OSAR	SCFRD	IDP	CSAP	ILSP - UPDATE	NMD STP
BMDO/JNC	4	4	4	4	4	4	4	4	44
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15,Total	9	9	9	9	9	9	9	9	9

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	E028	E029	E030	E031	E032	E033	E034	E035	E036
<i>Short Title</i>	SAR / HTS	RSDP	TR	NMD CMP	SBAR	IA	NMD SVP	UDSI	WS TP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
Block 15,Total	9	9	9	9	9	9	9	9	9

Block 14, Distribution*								
<i>CDRL SEQ No.</i>	E037	E038	E039	E040	E041	E042	E043	E044
<i>Short Title</i>	WS SDP	WS VP	BMC3 EL A SPEC	BMC3 SDP	BMC3 TP	BMC3 VP	XBR EL A SPEC	WS PIS
BMDO/JNC	4	4	4	4	4	4	4	4
BMDO/POC								
BMDO/DCTD	1	1	1	1	1	1	1	1
ESC/NDB								
SFAE-AMD- NMD	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1
ACO								
TIC	1	1	1	1	1	1	1	1
Block 15, Total	9	9	9	9	9	9	9	9

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 6.10, 10.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Blocks 12 and 13: Initial Option 1 and subsequent CFSR submissions shall be delivered 25 calendar days after the end of the contractor's accounting quarter.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 6.10, 10.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Change all references to “Cost/Schedule Control Systems Criteria (C/SCSC)” to read “Earned Value Management Systems (EVMS) Criteria”

DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:

7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor’s system is established. The Contractor shall also make hardcopy distribution to any addressee (Table A-1) who does not have electronic connectivity with the Contractor’s system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the MND JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also
(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:

Block 4 (Cont.):

include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.

7.2. Report using Formats 1 through 5.**10. PREPARATION INSTRUCTIONS**

10.2.2.4 Performance Data shall be measured against the updated baseline established within 6 months of award. The Government reserves the right to hold a follow-on IBR as necessary. This time-phase performance measurement baseline (PMB) may not be changed without prior written approval from the Contracting Officer.

10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.

10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the amount in block 5b, Negotiated Cost. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.

10.2.4.5 (Format 3) and **10.2.5.4** (Format 4): For the specified periods (columns 10-14) beyond the initial 6 months, enter in quarterly increments.

10.2.5.1 (Format 4): report staffing in equivalent hours and person months.

10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and get well information and variance at completion.

10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.

Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered **on the last** calendar day **of the month** after the end of the contractor's accounting month.

This CDRL begins after Common Support ends and continues through the end of DOSP (CLIN 0122).
 (End of E002)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para. 6.10, 10.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:**10. Preparation Instructions.****10.2 Content is modified as follows:**

7.3. Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.

7.4. Detailed Schedules. Detailed schedules shall be accomplished down to WBS level 6.
 Any WBS leg where there is no work activity to be performed within the one year period following the “as of” date may be summarized at level 4.

7.5. Change “Master Integrated Program Schedule” to read “Integrated Master Schedule (IMS).”

Block 12: Continue submittal of the Master Integrated Program Schedule updates **30 days after end of Common Support phase of the LSI Program and **monthly** thereafter.**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **5 OCT 98**
 J. DATE: **5 OCT 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E004**
 2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
 3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ADMN-81306/T**
 5. CONTRACT REFERENCE: **SOW para. 6.2.6, 10.2.6**
 6. REQUIRING OFFICE: **BMDO/DSIS**
 7. DD250 REQ: **LT**
 8. APP CODE: **AD**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **BIANNUAL**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
 16. REMARKS:

Block 4:**3 Description/Purpose**

7.1. A Government Program Protection Plan does not yet exist for NMD. The LSI Contractor shall write the NMD Program Protection Management Plan (PPMP) to document existing program protection efforts taking into account the LSI integration and management approach for NMD.

The Contractor shall provide a detailed plan on how it will assist the Government in protecting the NMD program, specifically to ensure that the research, development and acquisition (RD&A) of NMD capabilities, systems and technologies is not hindered, compromised or in any way defeated prior to fielding and, as a result, contribute to the survivability and increased longevity required once fielded. This requires security processes and structures that establish and assure the confidentiality, availability, and integrity of information used in conjunction with NMD RD&A and supporting contracts. Contractor security processes include, but are not limited to, identifying: (1) aspects of, or items within, the NMD program, classified or unclassified, that require protection [e.g. critical program information systems and/or technology (CPI)]; (2) protection and assurance related risk management techniques and threat-based countermeasures, to
(Continued)

- G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **LTC CRAIG MAC ALLISTER** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E004**
 2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
 3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**

Block 4 (Cont.):

include horizontal protection; (3) specific information systems security and information assurance needs; to include defensive information warfare considerations; as well as protection needs concerning; (4) classification management; (5) physical, personnel and operations security; (6) international security, technology transfer and foreign disclosure; and (7) the possible administration of special access programs. This management plan will also address merging with on-going NMD-related acquisition systems, and program protection and assurance actions within OSD, BMDO, the NMD JPO and Service elements involved in the NMD effort.

7.1. Change the references in the first sentence to read: “ Background.

This data item satisfies requirements of DoD 5000.2-R (Part 4, paragraph 4.4.5) and BMDO Directive 5200, dated January 29, 1997.”

10 Preparation Instructions.

The Contractor shall identify portions of the NMD Program, classified or unclassified, that require protection and document how the NMD Program will be protected to prevent unauthorized disclosure or inadvertent transfer of critical program technology or information. The Contractor shall identify risk management techniques and threat-based countermeasures to provide cost-effective protection. When appropriately applied, the process will meet requirements of information systems security, defensive information warfare, classification management, TEMPEST, physical security, personnel security, operations security, international security, technology transfer, and special access programs. 10.1 Content Requirements. Contractor format is acceptable but should, as a minimum, contain the following information satisfy the following information requirements:

- A. System and Program Description, detailing unique characteristics (e.g. capabilities and structures)
- B. NMD CPI (e.g. critical information, systems & technologies), and related threats (e.g. foreign collection threat), threat-based vulnerabilities identified via risk and vulnerability assessments, and countermeasures recommendations that include cost-benefit analyses.
 - NMD System-wide
 - NMD Elements (GBI, GBR, etc.)
 - NMD RD&A processes and infrastructure.

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___X___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E004**
 2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
 3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**

Block 4 (Cont.):

- C. Risk Management Strategy applied to protection and assurance needs.**
- D. Horizontal Protection Strategy to ensure commensurate protection and assurance across NMD elements, as well as with external programs and fielded capabilities involving or utilizing same technologies, information or systems.**
- E. Information Assurance Strategy**
- F. Information Systems Transition Strategy which identifies security requirements for the baseline information systems being migrated to components of an operational weapon system; identify how existing security services enhancements may be required to meet operational needs at milestones.**
- G. Time-Event Phased Classification Guide**
- H. Implementation & Validation Procedures**
- I. Technology Assessment and Control Plans (as required)**
- J. Protection Costs**
- K. Plan of Action to develop the structures and processes, and to implement these, as well as that required to addressed in block 7, e.g. information systems security, defensive information warfare, physical security, personnel security, operations security, international security, technology transfer, foreign disclosure, and special access programs administration needs once approved.**

Blocks 8 and 12: Submit a draft of the PPMP 120 DAC. The Government review and comments will be provided within 45 days after receipt. Submit the final NMD PPMP 30 days after receipt of Government Comments.

(End of E004)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** E. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E005**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **System Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **At C2 PDR ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final System/Subsystem Specification within 30 days after receipt of Government comments

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E006**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-81284/T**
5. CONTRACT REFERENCE: **SOW para. 6.7.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Draft SFR -75CD**
13. DATE OF SUBSEQUENT SUBMISSION: **Final at SFR and ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

3. DESCRIPTION/PURPOSE

3.1 Change to read as follows: “The Plan ITEP outlines the plans and performance objectives at every level of testing on systems and subsystems. It provides the procuring activity with the test concept, objectives and requirements to be satisfied, test methods, elements, responsible activities associated with the testing, measures required, test data processing requirements, and recording analysis and evaluation procedures to be used.”

7.2 Change to read as follows: “This DID is applicable to system and subsystem tests that include laboratory tests, simulations, ground tests, flight tests, integration tests, human factor tests, operational tests and acceptance tests.”

10.1 Format. Change “The tTest and Evaluation Program pPlan (TEPP) shall be in the contractor’s format and shall conform to the following:” to read “The Integrated Test and Evaluation pPlan (ITEP) shall be in the contractor’s format”.

10.1.1 Delete

10.1.2 Delete

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: 0123 B. EXHIBIT: E
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: NMD LSI
 E. CONTRACT/PR. NO: HQ0006-98-C-0003 F. CONTRACTOR: BOEING

1. DATA ITEM NO.: E006
2. TITLE OF DATA ITEM: Test Plan
3. SUBTITLE: NMD Integrated Test and Evaluation Plan (ITEP)

Block 4: (Cont.)

10.2.2 Introduction. Change to read as follows: “The introduction shall describe the plan and its relationship to the elements of the overall program, and an overview of the test program’s objectives, including process flow diagrams, milestones/significant accomplishments, test resources and personnel, and relationship to design development, production and tactical deployment.

10.2.3 Change “The TEPP...” to “The ITEP...”

10.2.4 Change “i.e., Joint Test Group (JTG)”

10.2.5 Tests and examinations. Chnage “The TEPP” to “The ITEP”**10.3.2** Change the first sentence to read as follows: “Consists of an overview of the objectives of the plan, including process flow diagrams, milestones, personnel participation, locations, schedules, and security measures to be observed.”

10.3.310.2.5.1 Change to read as follows: “Process Flow Diagrams. The process flow diagrams will reflect a functional description of the test and evaluation program using a block diagram portrayal of the functions that must be met to satisfy the total test program.”

10.2.5.2 References. Change “The TEPP...” to “The ITEP...”

10.2.5.3 Change to read as follows: “Test and Evaluation Objectives. Describes the objective of each test performed, including the traceability to requirements documents, test requirements, data requirements and evaluation criteria for each test.”

- a. Test requirements
- b. Data requirements
- c. Evaluation
- d. Criteria

10.2.5.4 Test support requirements.

10.2.5.4a Change to read as follows: “Instrumentation. Indicates the data collection method that will be used and the approximate number and types of parameters to be recorded.”

10.2.5.4b Test Logistics,” change to “identify logistics requirements including maintenance and repair for test equipment and facilities, and packaging, handling, storage and transportation (PHS&T) for test articles, support equipment and spares.

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E006**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**

Block 4:(Cont.)

10.2.5.4c Change “Government facilities” to “Government facilities and locations for each type of test...”Change to read as follows: “Government test facilities. Identify the specific government to be used for each type of test.”

10.2.5.4d Change to read as follows: “Data reduction and analysis. Describes data to be collected and the data reduction and analysis techniques that will be used to interpret the data.” “An overview of the procedures that the contractor will use to analyze, evaluate, and verify the test results will also be provided.

10.2.5.5 Change to read: General Tests: This section shall provide a listing for each type of test, a description, test methodology and general change to procedures.

10.2.5.6 Special tests. Change to read as follows: “Special tests. Provides a list of special test resources necessary to verify satisfactory system or subsystem performance to specifications.”

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

(End of E006)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E007**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ATTS-81273/T**
5. CONTRACT REFERENCE: **SOW para. 6.7.6, 10.7.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

3.1 Change first sentence to read as follows: "This report documents the results of the evaluation of a system's test design".

7.1 Change to read as follows: "This DID contains the format and preparation instructions for system evaluation resulting from a specified test phase or period."

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: "Format. The Test Evaluation and Assessment Final Report shall be in the contractor's format."

10.3 Change to read as follows: "Content Requirements. The content of the Test Evaluation and Assessment Final Report shall be the following:."

10.3.1 Change to read as follows: "A brief description of the functional operation of the system and of each element."

10.3.2 Change to read as follows: "A description of the systems operational concept."

10.3.3.1 Change to read as follows: "Identification of mission requirements and operational constraints."

10.3.3.2 Change to read as follows: "For each item to be included in this analysis, a definition of risks and risk mitigation and identification of areas that require additional testing."

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E007**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**

Block 4: (Cont.)

10.3.3.3 Change to read as follows: "System integration and performance measurements tested."

10.3.3.4 Change to read as follows: "System engagement performance measurements tested, e.g., acquisition, track, discrimination, interception, etc."

10.3.3.5 Change to read as follows: "System kill capability and performance assessment."

10.3.3.6 Change to read as follows: "Human-in-control operations and performance."

10.3.3.7 Add item to read as follows: "Assessment of verification related to testing, demonstrations, inspections and T&E analysis".

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit Draft report at CD #3 IDR (CLIN 0121) and RAR #3 in DOSP #3 (CLIN 0122) for Government approval. Submit Final Report at End of CD #3 (CLIN 0122)

(End of E007)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E008**
2. TITLE OF DATA ITEM: **Design Review Data Pack**
3. SUBTITLE: **C2 Readiness For Production Review (RFPR) Data Pack**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 6.2.1, , 10.2.1, 10.3.6, 6.3.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250A; Data Package per ILSS-81335. Contractor format is acceptable.

Block 8: Agenda: Government agenda comments will be provided within 10CD after receipt. Data Package: Government comments, if applicable, to the presentation material will be provided within 7 days after receipt. Minutes: Government approval (or disapproval) and comments will be provided within 45 days after receipt.

Blocks 10, 12 and 13: Agenda: Submit agenda 15CD prior to C2RFPR. Data Package: Submit paper copies of the presentation material 15CD prior to C2 RFPR. Handouts of the Presentation Material/Data Package to attendees at C2 RFPR. Minutes: Submit Minutes within 14CD after review. If disapproved or corrections are required, submit revised Minutes within 14 days of receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E009**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para.**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30D after end of common support**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Provide electronic copies of any unclassified documents listed on the LSI Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g. display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.

10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data which have been generated by the Contractor as a result of the work effort called for by this contract.

10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.

10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:

“UR” = Unlimited Rights

“LR” = Limited Rights

“GPLR” = Government Purpose License Rights

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E010**
2. TITLE OF DATA ITEM: **Engineering Change Proposals (ECP)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.7, 6.10.2.7**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of EIA/IS-649 National Consensus Standard for Configuration Management, dated August 1995.

10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E011**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **Weapon System Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.3, 6.2.3, 6.3.2, 10.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Blocks 10, 12 and 13: The Weapon System Element Level A Specification will be for C2 and submitted 15 days prior to C2 System Preliminary Design Review (PDR).

Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final within 30 days of receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E012**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **NMD Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.3, 6.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Delete the following paragraphs in their entirety:

**4.2.3,
4.2.3.1,
4.2.3.2,
4.2.5
5.8**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final NMD Software Development Plan within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: The Software Development Plan (SDP) will be updated, as required, and submitted for Government approval at C2 Preliminary Design Review (PDR).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E013**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Risk Management Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.3, 10.2.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

The contractor shall prepare, implement and maintain, a LSI Risk Management Plan to include risk management tasks that encompass the effort to establish, implement, and maintain a proactive risk management program that provides for the identification, analysis, assessment and mitigation of risk issues in achieving LSI program cost, schedule, and performance goals.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E014**
2. TITLE OF DATA ITEM: **System Safety Program Plan**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-SAFT-80100A**
5. CONTRACT REFERENCE: **SOW para. 10.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E015**
 2. TITLE OF DATA ITEM: **Parts Control Program Plan**
 3. SUBTITLE:
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80526B/T**
 5. CONTRACT REFERENCE: **SOW para. 6.2.6**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **OTIME**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **60 DAC**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
 16. REMARKS:

Block 4:

The Data Item Description (DID) DI-MISC-80526B is modified to read as follows

SCOPE/ PREPARATION INSTRUCTIONS

CONTENT- The Parts, Materials and Processes Control Program Plan shall describe the Parts, Materials and Processes control process to include:

- A Organizational structure used to manage PMP related issues and the interfaces with other PMP related functional areas, including designation of a PMP control board.**
- B Process for hardware subcontractor PMP control, including criteria to certify contractors for reduced oversight, and methods to manage subcontractors that are unable to obtain certification.**
- C Requirements for hardware subcontractor PMP control programs to include:**
 - 1) Documented PMP selection processes that maximize standardization consistent with program requirements.**
 - 2) PMP Qualification to meet the reliability and performance requirements for the application in which they are used. Qualification shall include radiation hardness evaluation and destructive physical analysis where applicable.**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E015**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:

Block 4 (Cont.)

- 3) **Part, Material, and Process specifications and change control of these specifications.**
 - 4) **Screening and Ongoing Quality Assurance addressing use of the following methods: qualified lines, screening plans, testing of higher level assemblies, and use of statistical quality assurance data.**
 - 5) **Processes to ensure the integrity of the parts and materials through those manufacturing processes within the control of the supplier, to include handling, shipping, storage, and part marking.**
 - 6) **Use of the Government Industry Data Exchange Program (GIDEP) to obtain part failure reporting data and advance warning of diminishing sources. Other industry data sources (i.e. TacTech) shall also be used to obtain information on diminishing source risks.**
 - 7) **Electronic Parts Diminishing Manufacturing Source risk management approach.**
 - 8) **Criteria for assessing and verifying the suitability of Commercial-off-the-shelf (COTS) parts for the intended application.**
 - 9) **Subtier PMP management and supplier selection criteria.**
 - 10) **The use of electronic searchable parts and materials lists and performance metrics using these lists.**
 - 11) **A process to respond to failure events and document lessons learned in PMP selection and control.**
 - 12) **Corrosion Prevention and Control**
 - 13) **Radiation Hardness Assurance of spacecraft or launch systems, addressing total ionizing dose, single event effects, part selection criteria for radiation hardness, and design mitigation techniques.**
 - 14) **Contamination Control in design, manufacturing, test, shipment, launch, and operation for all contamination sensitive hardware including space based systems and optics.**
- D Use of hardware subcontractor parts database information to establish metrics to track program PMP performance and DMS risks.**
- (Continued)**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___ **X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E015**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:

Block 4 (Cont.)

FORMAT: Seller's document format is optional. Data should be prepared in electronic format compatible with Microsoft Office (e.g. Word, Excel, PowerPoint, or Access). Data shall be submitted on 3.5" high density diskettes and/or electronically transmitted (FTP) to buyer's protected server.

Government review and approval (or disapproval) and comment will be provided within 45 days after receipt. Submit final PCPP within 30 days after receipt of Government comments.

(End of E015)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E016**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 6.2.1, 6.3.2, 10.3.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

**Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250;
Presentation Material per DI-ADMN-81373.**

Blocks 10, 12 and 13: Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes, if required will be submitted within 14 days after review. If corrections are required, submit revised within 14 days of receipt of Government comments.

Applicability: This CDRL shall apply to the following formal program reviews/meetings:

- 1. C2 Preliminary Design Review (PDR)**
- 2. C2 Interim Design Review (IDR)**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E017**
2. TITLE OF DATA ITEM: **System/Subsystem Design Description (SSDD)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81432**
5. CONTRACT REFERENCE: **SOW para. 6.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Blocks 12 and 13: Submit preliminary at C2 PDR. Submit final at C2 RFPR.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E018**
2. TITLE OF DATA ITEM: **Interface Control Document (ICD)**
3. SUBTITLE: **NMD External Interface Control Documents (ICD's)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP + 45 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add format - Contractors format is acceptable.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final ICD's within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E019**
 2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
 3. SUBTITLE: **NMD Integration Plan**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
 5. CONTRACT REFERENCE: **SOW para. 6.2.8, 6.3.2, 10.2.8**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ONE/R**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **C2 PDR-30CD**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
 16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following:

Contents of Plan**Plan shall include a discussion of the following:**

- **System Integration Roadways**
- **System Interfaces**
- **System Integration Tools**
- **Role of the JNTF and ISTC in the integration rod test process**
- **Intro-element integration**
- **Element-to-element integration**
- **Deployment integration activities**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final NMD Integration Plan within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E020**
 2. TITLE OF DATA ITEM: **Nuclear Survivability Program Plan**
 3. SUBTITLE: **NMD Nuclear Hardness and Survivability Program Plan**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NUOR-80156A/T**
 5. CONTRACT REFERENCE: **SOW para. 6.2.6, 6.3.2**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **N/A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ASREQ**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **C2 PDR -15CD**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
 16. REMARKS:

Block 4:**10.2 Delete last sentence****10.3.a Revise to read as follows:**

“a. The plan shall describe the specific design features and other approaches to be utilized to achieve nuclear survivability. (Delete second sentence) 7. 3 through 7.7, delete in their entirety.”

10. c. Delete second sentence in its entirety**10.d. Delete second sentence in its entirety****10.e Delete word “respective” in first sentence, delete second sentence in its entirety.****10.g and h delete in their entirety****10.4.a, Change to read as follows :**

“a. The plan shall delineate analytical efforts that supplement or replace testing, to include computer codes, and the intended applications of analytical techniques.”

10.4.b delete in its entirety**10.4.c Revise as follows:**

“c. The plan shall delineate subsystem and system-level tests to be performed including methods of extrapolation from test environment to the threat environments, the test simulators and rationale for simulator choices and relationships to analytical efforts.”

(Continued)**G. PREPARED BY: LTC CRAIG MAC ALLISTER****H. DATE: 18 MAR 98****I. APPROVED BY: A. L. AUSTIN, BMDO/DCTD****J. DATE: 18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E020**
2. TITLE OF DATA ITEM: **Nuclear Survivability Program Plan**
3. SUBTITLE: **NMD Nuclear Hardness and Survivability Program Plan**

Block 4 (Cont.):

10.4.e Revise as follows:

10.4.d. Delete in its entirety

“e. The plan shall describe survivability philosophy used for selection and rejection of piece parts, materials, and device technologies. There shall be particular emphasis on design philosophy for hardness critical (HCI) and mission critical equipments. The plan shall describe the configuration control approach to control HCI’s and HCP’s.”

10.4.f Delete in its entirety

10.4.g Revise as follows:

“g. The plan shall delineate the projected requirements, driven by nuclear survivability of the system, for hardened parts, and the impacts of these requirements on the program and system design and operation.”

10.4.h (OK as is).

10.4.i Revise as follows:

“i. The plan shall identify the nuclear survivability trade-offs that shall be performed against other system requirements such as schedule cost, reliability and producibility.”

10.5.a Revise as follows:

“a. Nuclear survivability areas of high risk and uncertainty, including the impact on cost, performance, and weight.”

10.5.b,c and d delete in their entirety.

10.6.a Delete words “logistic support”.

10.6.d and e Delete in their entirety.

10.7 Delete entire paragraph.

10.8 and 9 (ok as is).

(End of E020)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E021**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.1, 10.2.1, 10.3.6**
6. REQUIRING OFFICE: **BMDO/JNI**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP + 30 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

This CDRL shall contain specific completion criteria and associated metrics consistent with the NMD program, update for C2.

Content. DRR Criteria and Metrics shall be organized based on the following:

• Performance Criteria

- Provide Assessment to Meet User Requirements
- Provide Ground and Flight Test Evaluations of System / Elements

• Demonstration Criteria

- Demonstrate Performance of NMD System Supported by Test & Evaluation Data

• Deployment Criteria

- Readiness to Produce and Deploy Effective NMD System
 - Establish / Maintain Capability and Flexibility to Deploy in 3 years
 - Provide Detailed Planning to Produce and Deploy NMD System with 3 years of Deployment Decision

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E021**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **DRR Criteria and Metrics**

Block 4: (Cont.)**•Deployment Criteria (Cont.)**

- Demonstrate Flexible Robust Design that Preserves ABM Treaty Compliant Architecture**
- Deployment Readiness Plans**
- Operational Sustainment Readiness Plans**

•Cost, Schedule and Risk for Deployment

- Candidate Development / Deployment Trades**
- Plan to Evolve from Proposed C1 Deployment(s) to C2/C3 Capability**

Blocks 8: DRR Criteria and Metrics shall be assumed to be approved by the Government unless the Contractor is notified in writing by the PCO within 30 calendar days after receipt.

Blocks: 10, 13: DRR Criteria and Metrics shall be prepared on an “ASREQ” basis. DRR Criteria and Metrics shall be submitted as least ANNUALLY and shall include CDRL A007, IMP Changes that result from changes in DRR Criteria and Metrics. In addition, IMP Changes that impact DRR Criteria and Metrics shall result in a revision

(End of E021)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E022**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Operational Suitability Assessment Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.8.2, 10.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **45 Days prior to each Readiness Assessment Review**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

The document will contain the Contractor's assessment of the operational suitability of the system at the time the report is submitted. The assessment shall consider availability, compatibility, transportability, interoperability, reliability, war time usage rates, testability, maintainability, safety, human factors, manpower supportability, logistics supportability, natural environmental effects and impacts, documentation, and training requirements. The Contractor shall use analysis, modeling, simulations and test data in making the assessment and shall provide rationale and supporting data for the assessment results.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E023**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.8.4, 10.8.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **90 Days after CD3 option is exercised.**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

The Consolidated Facilities Requirements Document (FRD) defines the facility concepts and requirements for deployment and operations of the NMD System. It determines the facility functional requirements for the system and provides traceability to the system requirements. The information is to be used to support facilities planning, design and budgeting/programming.

The FRD includes lists, design requirements and descriptions of all required facilities to support the NDM System and the Elements. It provides the descriptions for each facility required in terms of attributes or specified environments, which effect performance, design and/or cost.

FRDs included:

- **Functional descriptions**
- **General facility descriptions**
- **Current DD Form 1391**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: BOEING

1. DATA ITEM NO.: **E023**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD)**

Block 4: (Cont.)**FRDs included: (Cont.)**

- **Site plans, preliminary line drawings and facility specifications**
- **Utility and transportation requirements**
- **Construction contractor considerations and schedule requirements**
- **Security considerations**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final FRD within 30 days after receipt of Government comments.

(End of E023)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E024**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Deployment Plan (IDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.3.6, 6.8.3, 10.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **120 Days prior to C3 RFP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

The NMD Integrated Deployment Plan (IDP) will provide a managerial overview of the actions and activities required to plan for and execute deployment of an initial capability in support of the system identified in the Capability 1 (C1), support the Deployment Readiness Review and execute deployment of the NMD System.

The IDP will be the overarching plan to deploy a system capable of performing the defined mission in the operational environment as identified by the user. The plan will accomplish the following:

- Identify system-level deployment concepts, strategies, planning, plan requirements, and activities.
- Identify deployment planning and execution roles and responsibilities.
- Identify required agreements between various agencies.
- Integrate, through the use of the Master Integrated Program Schedule (MIPS), all Project Office deployment planning.
- Summarize significant risks to deployment.

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: NMD LSI
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E024**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Deployment Plan (IDP)**

Block 4: (Cont.)

- **Define the Deployment Planning Program Integrated Product Team (DP PIPT) and subgroups.**
- **Establish a process for referring deployment planning issues to the DP PIPT.**
- **Identify deployment planning requirements, implementation constraints, and deployment status across all phases of the NMD Program:**
 - Identify deployment planning and site activation schedule requirements**
 - Facilitate identification of deployment concerns and incorporation of those concerns into the development phase.**
 - Identify required milestones to support production and manufacturing planning.**
 - Address system common services, functions, and items.**
 - Integrate site activation activities into the total deployment effort.**
 - Ensure user needs and requirements are incorporated into deployment planning.**
 - Contain the system-level execution planning for deployment, if directed to do so in the FY00 Deployment Readiness Review.**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final IDP within 30 days after receipt of Government comments.

(End of E024)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E025**
2. TITLE OF DATA ITEM: **Site Preparation Requirements and Installation Plan**
3. SUBTITLE: **Capstone Site Activation Plan (CSAP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-80033**
5. CONTRACT REFERENCE: **SOW para. 6.3.6, 6.8.3, 10.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **RFP -90CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final CASP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E026**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Logistics Support Plan (ILSP) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-80095**
5. CONTRACT REFERENCE: **SOW para. 6.3.6, 6.8.3, 10.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **90 Days after Option Exercised**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Contractor shall use DI-ILSS-80095 as a guide.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final ILSP-Update within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E027**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD System Training Plan (STP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.8.3, 10.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **RFPR -120CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

The document shall contain the Contractor's plans for preparing for and conducting training of Government personnel on the NMD System through all phases of the program. It shall include identification of training courses to be conducted, training material to be developed for the courses, training equipment to be provided, and training facility requirements. It shall identify the roles of the Contractor and the Government in all training activities as well as detail schedules.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final STP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 97**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 97**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E028**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Safety Assessment Report (SAR) / Hazard Tracking System (HTS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.7.2, 10.7.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add paragraph 10.4. Document content will address potential hazards associated with physical and personnel safety, environmental pollution or hazardous materials and waste, and personal health, risk assessments and hazards prioritization, and the databases used to identify, track, and minimize the aforementioned hazards associated with each system test(s).

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SAR/HTS within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit 6 months prior to first test, as required, for Government approval. Submit 6 months prior to subsequent tests as required for Government approval.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E029**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Range Safety Data Package**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.9, 6.7.2, 10.7.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **6 Months prior to each test, ASREQ.**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add paragraph 10.4. This document will address all potential safety hazards associated with preparing and conducting flight test operations at VAFB and USAKA, and the precautions taken, consistent with operational requirements, to protect mission objectives, prevent injury to local, permanent and transient Contractor/Government personnel, minimize damage to property, and preclude the advent of an international incident.

New paragraph 10.5. Document will include:

- **Terminal and/or launch area hazard analyses associated with incoming re-entry vehicles (e.g., debris from booster stages post-boost vehicles, etc., probably of impact, debris dispersal; ground safety missile buildup, transport, and associated ground handling procedures.**
- **Local launch hazard analyses associated with a missile containing a Flight Termination System (FTS) Contractor Furnished. Consisting of the following:**
 - **Hazard area (debris corridor) clearances, range tracking and missile Inertial Nav System (INS) (or GNC) data to estimate missile deviation footprint.**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E029**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Range Safety Data Package**

Block 4: (Cont.)

- **Hazard area analyses associated with local launch operations. Hazard operations include:**
 - **Booster/payload/assy, transport and handling at USAKA and Target Vehicle Assembly, transport and handling at VAFB.**
 - **WS/launch cell mech, Elec. Ops. at USAKA**
 - **WS/USAKA integration testing.**
- **Booster/payload mating & C/O:**
 - **Payload (EKV) propellant and gases pressurization.**
 - **Ordnance transport, handling and installation.**
 - **Electrical c/o of ordnance after installation.**
- **Identification of hazardous systems:**
 - **Booster (Net Explosive Weight of TNT, explosives classification).**
 - **P/L (EKV) Propellant and gas pressurized vessels, explosive devices (FTS and separation system), radioactive/toxic chemicals/materials.**
 - **GSE (TBD)**

(End of E029)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E030**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.2, 6.3.2, 10.2.2, 10.3.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E031**
2. TITLE OF DATA ITEM: **Contractor's Configuration Management Plan**
3. SUBTITLE: **NMD Configuration Management Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80858A/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.7, 6.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update at C2 PDR - 30 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:**7.1 Change to read as follows:**

This DID contains the format, content, and preparation instructions for a data item resulting from work tasks described in EIA/IS 649.

10.2 Format and Content. Change to read as follows:

The Contractor's Configuration Management Plan format and content shall be in accordance with EIA/IS 649.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E032**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Behavior Analysis Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following: Contents of report shall:

Identify/Document results of Behavior Verification for BMC3 upgrades/modifications to BMC3 elements

- Compared to Baseline BMC3 Behavior**
- Compared to BMC3 Requirements**

Block 10: Report verification of changes following each upgrade/modification to BMC3 Element of NMD System.

Blocks 12, 13: Within 30 Days following completion of each incremental upgrade to BMC3 Element.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E033**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Information Architecture (IA)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT DRR**
13. DATE OF SUBSEQUENT SUBMISSION: **N/A**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

10 Preparation instructions.

This CDRL documents the status of the Information Architecture at the end of the CLIN and delivers a complete version of the Information Architecture Model.

10.2 Change to read as follows: Report will be prepared in contractor format and submitted as electronic files via zip disk.

10.3 Change to read as follows: This report shall contain three electronic files:

10.3.1 A complete up-to-date version of the Information Architecture Model.

10.3.2 A file containing a detailed description of the functions of the Information Architecture and its interfaces with other elements/systems.

10.3.3 A File containing a complete dictionary of terms and definitions used in the Information Architecture.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E034**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **NMD System Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MNTY-81188/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.4, 10.2.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP + 90 Days**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

10.1 Delete “Demonstration and Evaluations”.

10.2 Content. Delete and insert the following:

The Verification Plan shall describe, at the system level, how system requirements will be verified through testing, simulation and analysis. It shall include top level schedules, descriptions of test facilities and equipment, and overall planning approach.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E035**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Universal Documentation System Inputs**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 6.7.3, 10.7.3**
6. REQUIRING OFFICE: **BMDO/JNC, BMDO/JNMC, USASSDC/**
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

This CDRL covers the PI, PRD, and OR Documents as defined in RCC Document 501.97. The necessary updates will be generated using the format instructions contained in RCC Document 501-97 or as established by existing versions of NMD UDS documents.

Content. Content shall be as prescribed in RCC Document 501.97.

Block 16: UDS Inputs shall be submitted IAW as required IAW schedule guidelines in Para. 3.4 of RCC Document 501-97 and as required for KMR and other Test Facilities for Government approval.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final UDSI within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E036**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 6.3.5, 10.3.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update 60 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

10.3.1a Change to read as follows:

“Title of the test program to be conducted.”

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E037**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **Weapon System Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427**
5. CONTRACT REFERENCE: **SOW para. 6.3.2, 6.3.5, 10.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E038**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 6.3.2, 10.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/T**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update 60 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Change “test” to “verification”.

Verification is defined as demonstration, analyses (including math models and simulations) and inspections.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E039**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **BMC3 Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 6.2.3, 10.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final BMC3 Element Level A Specification within 30 days of receipt of Government comments.

Blocks 10, 12, and 13: Submit incremental update to BMC3 Element Level A Specification 15 days prior to C2 PDR.. Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
 J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E040**
2. TITLE OF DATA ITEM: **Software Development Plan**
3. SUBTITLE: **BMC3 Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 6.6.2, 10.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT C2 PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Preparation Instructions: Plan shall be prepared in Contractor format.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **E041**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **BMC3 Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 6.6.8, 10.6.8**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT C2 PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E042**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **BMC3 Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**
5. CONTRACT REFERENCE: **SOW para. 6.6.2, 10.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Blocks 12 and 13: Plan shall be submitted at C2 PDR.

Plan shall be updated as required following each BMC3 update build.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E043**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **XBR Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431**
5. CONTRACT REFERENCE: **SOW para. 6.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add Format - Contractor format is acceptable

Block 8: The XBR Element Level A Specification will be submitted for approval. The Prime Item and Configuration Specification will be submitted for review. Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final XBR Element Level A Specification within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: Submit Draft XBR Element Specification 15 days prior to System Functional Review (SFR) for Government review and comments.

Submit final XBR Element Level A Specification for Government approval 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0123** B. EXHIBIT: **E**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **E044**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **Weapon System Prime Item Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 6.3.2, 6.3.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table E-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Blocks 10, 12 and 13: The Weapon System Prime Item Specificaliton will be updated for C2 and submitted 15 days prior to C2 System Preliminary Design Review (SPDR).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

EXHIBIT F

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

NMD LSI Initial Sustainment CDRL

1 March 1999 |

Block 14, Distribution						
<i>CDRL SEQ No.</i>	F001	F002	F003	F004	F005	F006
<i>Short Title</i>	CFSR	NMD CCDR - DD1921-1	CPR	NMD IMS	NMD CCDR - DD1921	DAL/ID
BMDO/JNC	4	4	4	4	4	4
BMDO/POC	1	1	1			
BMDO/DCTD	1	1	1	1	1	1
ESC/NDB			1	1		
SFAE-AMD-NMD	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1
ACO	1	1	1			
TIC				1	1	1
Block 15,Total	10	10	10	9	9	9

Block 14, Distribution					
<i>CDRL SEQ No.</i>	F007	F008	F009	F010	F011
<i>Short Title</i>	ECP	PMMA&R	OSAR	TR	ASRR
BMDO/JNC	4	4	4	4	4
BMDO/POC					
BMDO/DCTD	1	1	1	1	1
ESC/NDB					
SFAE-AMD-NMD	1	1	1	1	1
SAF/AQSI	1	1	1	1	1
Navy Code 865	1	1	1	1	1
ACO					
TIC	1	1	1	1	1
Block 15,Total	9	9	9	9	9

Table F-1, CDRL Distribution Matrix

* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 9.8.1**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Blocks 12 and 13: Initial Option 1 and subsequent CFSR submissions shall be delivered 25 calendar days after the end of the contractor's accounting quarter.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **F002**
 2. TITLE OF DATA ITEM: **Functional Cost-Hour Report (DD Form 1921-1)**
 3. SUBTITLE: **National Missile Defense Contractor Cost Data Report-DD 1921-1 (NMD CCDDR/1921-1)**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-F-6007/T**
 5. CONTRACT REFERENCE: **SOW para. 9.8.1**
 6. REQUIRING OFFICE: **BMDO/JNC**
 7. DD250 REQ: **LT**
 8. APP CODE: **N/A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ONE/R**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **60 DAC**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
 16. REMARKS:

Block 4:**10 Preparation Instructions.**

Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC) X12 EDI 196 Transaction Set.

10.1 Content.

Submit Sections A and B. Do not submit Sections C and D (page 2 of DD Form 1921-1).

Include Interdivisional Work Authorizations/Interdivisional Transfers in the "Subcontractor Or Outside Production and Services" column.

Do not include costs for Sustainment activities (CLIN 0203) after Initial Operational Capability (IOC) has been reached.

Block 13: Provide the final submission 60 days after CLIN 0201 has been accepted.:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F003**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.1**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

Change all references to “Cost/Schedule Control Systems Criteria (C/SCSC)” to read “Earned Value Management Systems (EVMS) Criteria”

DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:

7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor’s system is established. The Contractor shall also make hardcopy distribution to any addressee (Table A-1) who does not have electronic connectivity with the Contractor’s system. For hard copy reporting, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addressees authorized by the Contracting Officer on behalf of the MND JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addressees shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also
 (Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **15 SEP 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **15 SEP 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F003**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:

Block 4 (Cont.):

include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.

7.6.2 Report using Formats 1 through 5.**10. PREPARATION INSTRUCTIONS**

10.2.2.4 Performance Data shall be measured against the updated baseline within 6 months of award. The Government reserves the right to hold a follow-on IBR as necessary. This time-phase performance measurement baseline (PMB) may not be changed without prior written approval from the Contracting Officer.

10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.

10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the amount in block 5b, Negotiated Cost. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.

10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-14) beyond the initial 6 months, enter in quarterly increments.

10.2.5.1 (Format 4): report staffing in equivalent hours and person months.

10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and get well information and variance at completion.

10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.

Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered **on the last** calendar day **of the month** after the end of the contractor's accounting month.

This CDRL begins after Continued Development #3 ends and continues through the end of Initial Sustainment.

(End of F003)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F004**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.1**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30 Days** after end of continued development #3
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

10. Preparation Instructions.

10.2 Content is modified as follows:

10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.

10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to WBS level 6. Any WBS leg where there is no work activity to be performed within the one year period following the "as of" date may be summarized at level 4.

10.3 Change "Master Integrated Program Schedule" to read "Integrated Master Schedule (IMS)."

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **5 OCT 98**
J. DATE: **5 OCT 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **F005**
 2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921)**
 3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 NMD CCCR**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-F-6006/T**
 5. CONTRACT REFERENCE: **SOW para. 9.8.1**
 6. REQUIRING OFFICE: **BMDO/JNC**
 7. DD250 REQ: **LT**
 8. APP CODE: **N/A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ONE/R**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
 16. REMARKS:

Block 4:**10 Preparation Instructions.**

10a Change "AFLCP/AFSCP 800-15" to read "AFMCP 800-15."

10b Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC) X12 EDI 196 Transaction Set.

CONTINUED DEVELOPMENT #1**Block 4: (Continued for CD#1)**

10.1 Content. Reports shall include all contract costs (prime and subcontractor). Report to level 3 of the CWBS. Provide a separate mapping from the CWBS to the Government Cost Breakdown Structure. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (blocks F and J). Do not complete block G (Number of Units).

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F005**
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921)**
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 NMD CCCR**

Block 12: Provide the first submission 60 days after start of CLIN 0102.

Block 13: Provide the second submission 60 days after the completion of C1U1 Preliminary Design Review. Provide the final submission at the conclusion of the contract. The Contractor is authorized to delay submission up to 60 additional days after the completion of development work under this contract in order to capture as much actual cost as possible.

DEPLOYMENT

Block 4: (Continued for Deployment)

10.1 Content. Reports shall include contract costs (prime and subcontractor) for CLIN 0201 (Deployment) and data costs for deployment as applicable (CLIN 0203). Do not include costs for Sustainment activities (CLIN 0203) after Initial Operational Capability (IOC) has been reached. Report to level 3 of the CWBS except for NMD elements, which shall be reported at level 4 of the CWBS. Provide a separate mapping from the CWBS to the Government Cost Breakdown Structure. Insert the CWBS in Block C (Element Code) of DD Form 1921. Complete Nonrecurring, Recurring, Number of Units, Total blocks as applicable in the “costs incurred to date” and “cost incurred at completion” sections.

Block 12: Provide the first submission 60 days after start of CLIN 0201.

Block 13: Provide the second submission 60 days after CLIN 0201 has been accepted.

(End of F005)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F006**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.1**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30D after end of continued development #3**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

Provide electronic copies of any unclassified documents listed on the LSI Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.

10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data which have been generated by the Contractor as a result of the work effort called for by this contract.

10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.

10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:

“UR” = Unlimited Rights

“LR” = Limited Rights

“GPLR” = Government Purpose License Rights

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F007**
2. TITLE OF DATA ITEM: **Engineering Change Proposals (ECP)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of EIA/IS-649 National Consensus Standard for Configuration Management, dated August 1995.

10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F008**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW para. 9.8.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

**Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250;
Presentation Material per DI-ADMN-81373.**

Blocks 10, 12 and 13: Agenda: Submit agenda 10 days prior to the Reviews. Presentation Material will be presented at the reviews. Minutes: Minutes, if required will be submitted within 14 days after review. If corrections are required, submit revised within 14 days of receipt of Government comments.

Applicability: This CDRL shall apply to the following formal program reviews/meetings:

- 1. Customer Reviews, Audits and Meetings - Agendas and minutes may not be required**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F009**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Operational Suitability Assessment Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para.**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ANNUALLY**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **30 Days prior to Annual Sustainment Review**
13. DATE OF SUBSEQUENT SUBMISSION: **Annually**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

The document will contain the Contractor's assessment of the operational suitability of the system at the time the report is submitted. The assessment shall consider availability, compatibility, transportability, interoperability, reliability, war time usage rates, testability, maintainability, safety, human factors, manpower supportability, logistics supportability, natural environmental effects and impacts, documentation, and training requirements. The Contractor shall use analysis, modeling, simulations and test data in making the assessment and shall provide rationale and supporting data for the assessment results.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **18 MAR 98**
 J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F010**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0204** B. EXHIBIT: **F**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **F011**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Annual Sustainment Review Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 9.8.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **0TIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **Annual Sustainment Review (ASR) -60CD**
13. DATE OF SUBSEQUENT SUBMISSION: **Annually**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table F-1**
16. REMARKS:

Block 4:

The report shall contain the Contractor's assessment of the effectiveness of the NMD System sustainment. The assessments shall include reliability, maintainability, availability, field team effectiveness, transportation infrastructure, spares, customer (user) satisfaction, training, life-cycle-cost, safety, and environmental compliance. The report will contain rationale and support data sufficient to enable the Government to determine the effectiveness of the preceding period of Contractor support. Recommendations for improving system effectiveness through changes in the sustainment activities will be included.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final Report within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

EXHIBIT G

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

NMD LSI Common Support CDRL

1 March 1999 |

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	G001	G002	G003	G004	G005	G006	G007	G008	G009
<i>Short Title</i>	CFSR	CPR	IMS	NMD CCDR DD1921	NMD SLCCE - UPDATE	NMD PPMP	SS	NMD ITEP	G&FTE &FFR
BMDO/JNC	4	4	4	1	4	4	4	4	4
BMDO/POC	1	1	1	1					
BMDO/DCTD	1	1	1		1	1	1	1	1
ESC/NDB		1	1						
SFAE-AMD- NMD	1	1	1		1	1	1	1	1
SAF/AQSI	1	1	1		1	1	1	1	1
Navy Code 865	1	1	1		1	1	1	1	1
ACO	1	1	1						
TIC					1	1	1	1	1
OSD/PA&E				1					
Block 15,Total	10	10	10	3	9	9	9	9	9

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	G010	G011	G012	G013	G014	G015	G016	G017	G018
<i>Short Title</i>	DAL/ID	ECP	WS EL A SPEC	NMD SDP	RMP	SSPP	PCPP	PMMA&R	S/SDD
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
OSD/PA&E									
Block 15,Total	9	9	9	9	9	9	9	9	9

Table G-1, CDRL Distribution Matrix

* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	G019	G020	G021	G022	G023	G024	G025	G026	G027
<i>Short Title</i>	NMD PAP	NMD EICD	NMD IP	RFD	FRW	NMD NH&SPP	SCFRD	IDP	CSAP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
OSD/PA&E									
Block 15,Total	9	9	9	9	9	9	9	9	9

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	G028	G029	G030	G031	G032	G033	G034	G035	G036
<i>Short Title</i>	ILSP - UPDATE	NMD STP	SAR / HTS	RSDP	TR	NMD CMP	SBAR	IA	NMD SVP
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
OSD/PA&E									
Block 15,Total	9	9	9	9	9	9	9	9	9

Block 14, Distribution*									
<i>CDRL SEQ No.</i>	G037	G038	G039	G040	G041	G042	G043	G044	G045
<i>Short Title</i>	UDSI	ISP	WS TP	WS SDP	BMC3 EL A SPEC	BMCE SDP	BMC3 TP	BMC3 VP	XBR EL A SPEC
BMDO/JNC	4	4	4	4	4	4	4	4	4
BMDO/POC									
BMDO/DCTD	1	1	1	1	1	1	1	1	1
ESC/NDB									
SFAE-AMD- NMD	1	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1	1
ACO									
TIC	1	1	1	1	1	1	1	1	1
OSD/PA&E									
Block 15,Total	9	9	9	9	9	9	9	9	9

Block 14, Distribution*								
<i>CDRL SEQ No.</i>	G046	G047	G048	G049	G050	G051	G052	G053
<i>Short Title</i>	XBR SDP	XBR VP	XBR TP	UEWR EL A SPEC	UEWR SDP	UEWR VP	UEWR TP	WS PIS
BMDO/JNC	4	4	4	4	4	4	4	4
BMDO/POC								
BMDO/DCTD	1	1	1	1	1	1	1	1
ESC/NDB								
SFAE-AMD- NMD	1	1	1	1	1	1	1	1
SAF/AQSI	1	1	1	1	1	1	1	1
Navy Code 865	1	1	1	1	1	1	1	1
ACO								
TIC	1	1	1	1	1	1	1	1
OSD/PA&E								
Block 15,Total	9	9	9	9	9	9	9	9

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G001**
2. TITLE OF DATA ITEM: **Contract Funds Status Report (CFSR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81468**
5. CONTRACT REFERENCE: **SOW para. 7.1.0,**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **QRTLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Blocks 12 and 13: Initial and subsequent CFSR submissions shall be delivered 25 calendar days after the end of the contractor's accounting quarter.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-81466/T**
5. CONTRACT REFERENCE: **SOW para. 5.6.1, 7.1.0, 7.4.1, 7.6.1, 7.8.1**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Change all references to “Cost/Schedule Control Systems Criteria (C/SCSC)” to read “Earned Value Management Systems (EVMS) Criteria”

DI-MGMT-81466, Paragraph 7.6, tailor reporting as follows:

7.6.1 Hard copies shall be submitted until electronic connectivity to the Contractor’s system is established. The Contractor shall also make hardcopy distribution to any addressee (Table A-1) who does not have electronic connectivity with the Contractor’s system. For hard copy reportin, report to CWBS level 3, unless the Contracting Officer calls for lower level reporting for a particular problem or period on an as-needed basis. Once electronic connectivity is established, addresses authorized by the Contracting Officer on behalf of the MND JPO shall have direct access to the CPR on a Contractor Integrated Technical Information Services (CITIS) basis. Simply stated, CITIS access means that the CPR addresses shall be able to directly access complete cost performance information electronically at the lowest CWBS level accumulated by the Contractor. However, the lowest level must be established so as to give Government managers visibility for major components of NMD Elements (e.g., Kill Vehicle of GBI; receiver/exciter for Ground-Based sensor(s); BMC2 software for BMC3). Electronic access shall include CPR format information for the prime contractor as well as subcontractors and shall also
(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **Boeing**

1. DATA ITEM NO.: **G002**
2. TITLE OF DATA ITEM: **Cost Performance Report (CPR)**
3. SUBTITLE:

Block 4 (Cont.):

include access to any trends, indices (SPI and CPI) and analyses prepared by the Contractor.

7.6.2 Report using Formats 1 through 5.**10. PREPARATION INSTRUCTIONS**

10.2.2.4 Performance Data shall be measured against the update baseline established within 6 months of award. The Government reserves the right to hold a follow-on IBR as necessary. This time-phase performance measurement baseline (PMB) may not be changed without prior written approval from the Contracting Officer.

10.2.2.4.4 There will be no undistributed budget at CWBS level 1 or 2.

10.2.2.6.8 The amount in column 14g at CWBS level 1 will equal the amount in block 5b, Negotiated Cost. The amount in column 14g for CWBS elements at level 2 will correspond to the current value of the contract sub-line item number (SubCLIN) that includes the element.

10.2.4.5 (Format 3) and 10.2.5.4 (Format 4): For the specified periods (columns 10-14) beyond the initial 6 months, enter in quarterly increments.

10.2.5.1 (Format 4): report staffing in equivalent hours and person months.

10.2.6.3.2 (Format 5): In lieu of designated variance analysis thresholds, the Contractor shall perform and submit variance and problem analyses for the 10 most significant problems it identifies. Each such problem shall trigger variance analysis as appropriate of the current month and cumulative data for the CWBS entry(ies) and level where the problem is occurring, as well as problem analyses and get well information and variance at completion.

10.2.6.2 (Format 5): Also include a reconciliation with dollar totals in the Contract Funds Status Report (CFSR) for those months in which the CFSR is submitted.

Blocks 12 and 13: Initial and subsequent CPR submissions shall be delivered on the last calendar day of the month after the end of the contractor's accounting month.

This CDRL applies to Continued Development #1, #2 and Deployment.

(End of G002)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G003**
2. TITLE OF DATA ITEM: **Master Integrated Program Schedule**
3. SUBTITLE: **NMD Integrated Master Schedule (IMS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **MISC-81183A/T**
5. CONTRACT REFERENCE: **SOW para. 7.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **MTHLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30 Days** after end of Basic
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:**10. Preparation Instructions.****10.2 Content is modified as follows:**

10.2.3 Intermediate Schedules. Intermediate level schedules shall be accomplished down to WBS level 4.

10.2.4 Detailed Schedules. Detailed schedules shall be accomplished down to WBS level 6. Any WBS leg where there is no work activity to be performed within the one year period following the “as of” date may be summarized at level 4.

10.3 Change “Master Integrated Program Schedule” to read “Integrated Master Schedule (IMS).”

This CDRL applies to Continued Development #1, #2 and Deployment. In the event that Continued Development #1 and Deployment are exercised, IMS reporting shall be considered under Continued Development #1.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

H. DATE: **5 OCT 98**
 J. DATE: **5 OCT 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

- 1 DATA ITEM NO.: **G004**
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921)**
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 NMD
CCDR**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-F-6006/T**
5. CONTRACT REFERENCE: **SOW para. 7.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

10a Change "AFLCP/AFSCP 800-15" to read "AFMCP 800-15."

10b Submit in Electronic Data Interchange (EDI) format conforming to Accredited Standards Committee (ASC) X12 EDI 196 Transaction Set.

CONTINUED DEVELOPMENT #1

Block 4: (Continued for CD#1)

10.1 Content. Reports shall include all contract costs (prime and subcontractor). Report to level 3 of the CWBS. Provide a separate mapping from the CWBS to the Government Cost Breakdown Structure. Insert the CWBS in Block C (Element Code) of DD Form 1921. Provide costs incurred to date and at completion in the "Total" blocks only (blocks F and J). Do not complete block G (Number of Units).

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___X___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G004**
2. TITLE OF DATA ITEM: **Cost Data Summary Report (DD Form 1921)**
3. SUBTITLE: **National Missile Defense Contractor Cost Data Report - DD 1921 NMD
CCDR**

Block 12: Provide the first submission 60 days after start of CLIN 0102.

Block 13: Provide the second submission 60 days after the completion of C1U1 Preliminary Design Review. Provide the final submission at the conclusion of the contract. The Contractor is authorized to delay submission up to 60 additional days after the completion of development work under this contract in order to capture as much actual cost as possible.

DEPLOYMENT

Block 4: (Continued for Deployment)

10.1 Content. Reports shall include contract costs (prime and subcontractor) for CLIN 0201 (Deployment) and data costs for deployment as applicable (CLIN 0203). Do not include costs for Sustainment activities (CLIN 0203) after Initial Operational Capability (IOC) has been reached. Report to level 3 of the CWBS except for NMD elements, which shall be reported at level 4 of the CWBS. Provide a separate mapping from the CWBS to the Government Cost Breakdown Structure. Insert the CWBS in Block C (Element Code) of DD Form 1921. Complete Nonrecurring, Recurring, Number of Units, Total blocks as applicable in the "costs incurred to date" and "cost incurred at completion" sections.

Block 12: Provide the first submission 60 days after start of CLIN 0201.

Block 13: Provide the second submission 60 days after CLIN 0201 has been accepted.

(End of G004)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G005**
2. TITLE OF DATA ITEM: **Life Cycle Cost (LCC) and Independent Schedule Assessment Report**
3. SUBTITLE: **NMD System Life Cycle Cost Estimate (LCCE) Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-FNCL-80448/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.9**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ANNUALLY**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **365 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10. Preparation Instructions. Submit an annual update of the LCCE submitted as part of the proposal.

10.3 Breakout of LCC. Delete Figure 1 of DID-FNCL-80448. Use the BMDO Cost Breakdown Structure in Figure 2.0-1 of Appendix E of the NMD Cost Analysis/Estimating Terms of Reference (TOR), Version 2.0, July 1997.

Block 13: In lieu of specifying Semi-Annual submissions, subsequent submissions shall normally be Annual. However, the Government reserves the right to call for up to two (2) additional "out-of-cycle" LCCE updates in the event of major budget or program changes. Any out-of-cycle submission called for shall be in writing by the PCO and shall be due sixty (60) days after the notification is received by the Contractor.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
 C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G006**
2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ADMN-81306/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.6**
6. REQUIRING OFFICE: **BMDO/DSIS**
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **BIANNUAL**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:**3 Description/Purpose**

3.1 A Government Program Protection Plan does not yet exist for NMD. The LSI Contractor shall write the NMD Program Protection Management Plan (PPMP) to document existing program protection efforts taking into account the LSI integration and management approach for NMD.

The Contractor shall provide a detailed plan on how it will assist the Government in protecting the NMD program, specifically to ensure that the research, development and acquisition (RD&A) of NMD capabilities, systems and technologies is not hindered, compromised or in any way defeated prior to fielding and, as a result, contribute to the survivability and increased longevity required once fielded. This requires security processes and structures that establish and assure the confidentiality, availability, and integrity of information used in conjunction with NMD RD&A and supporting contracts. Contractor security processes include, but are not limited to, identifying: (1) aspects of, or items within, the NMD program, classified or unclassified, that require protection [e.g. critical program information systems and/or technology (CPI)]; (2) protection and assurance related risk management techniques and threat-based countermeasures, to
(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**

I. APPROVED BY: A. L. AUSTIN, BMDO/DCTD

J. DATE: 18 MAR 98

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: 0132 B. EXHIBIT: G
 C. CATEGORY: TDP___ TM___ OTHER___ X ___
 D. SYSTEM/ITEM: NMD LSI
 E. CONTRACT/PR. NO: HQ0006-98-C-0003 F. CONTRACTOR: BOEING

1. DATA ITEM NO.: G006
2. TITLE OF DATA ITEM: Program Protection Implementation Plan
3. SUBTITLE: National Missile Defense Program Protection Management Plan (NMD PPMP)

Block 4 (Cont.):

include horizontal protection; (3) specific information systems security and information assurance needs; to include defensive information warfare considerations; as well as protection needs concerning; (4) classification management; (5) physical, personnel and operations security; (6) international security, technology transfer and foreign disclosure; and (7) the possible administration of special access programs. This management plan will also address merging with on-going NMD-related acquisition systems, and program protection and assurance actions within OSD, BMDO, the NMD JPO and Service elements involved in the NMD effort.

7.1 Change the references in the first sentence to read: “ Background.

This data item satisfies requirements of DoD 5000.2-R (Part 4, paragraph 4.4.5) and BMDO Directive 5200, dated January 29, 1997.”

10 Preparation Instructions.

The Contractor shall identify portions of the NMD Program, classified or unclassified, that require protection and document how the NMD Program will be protected to prevent unauthorized disclosure or inadvertent transfer of critical program technology or information. The Contractor shall identify risk management techniques and threat-based countermeasures to provide cost-effective protection. When appropriately applied, the process will meet requirements of information systems security, defensive information warfare, classification management, TEMPEST, physical security, personnel security, operations security, international security, technology transfer, and special access programs. 10.1 Content Requirements. Contractor format is acceptable but should, as a minimum, contain the following information satisfy the following information requirements:

- A. System and Program Description, detailing unique characteristics (e.g. capabilities and structures)
- B. NMD CPI (e.g. critical information, systems & technologies), and related threats (e.g. foreign collection threat), threat-based vulnerabilities identified via risk and vulnerability assessments, and countermeasures recommendations that include cost-benefit analyses.
 - NMD System-wide

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G006**
2. TITLE OF DATA ITEM: **Program Protection Implementation Plan**
3. SUBTITLE: **National Missile Defense Program Protection Management Plan (NMD PPMP)**

Block 4 (Cont.):

- **NMD Elements (GBI, GBR, etc.)**
 - **NMD RD&A processes and infrastructure.**
- C. Risk Management Strategy applied to protection and assurance needs.**
D. Horizontal Protection Strategy to ensure commensurate protection and assurance across NMD elements, as well as with external programs and fielded capabilities involving or utilizing same technologies, information or systems.
E. Information Assurance Strategy
F. Information Systems Transition Strategy which identifies security requirements for the baseline information systems being migrated to components of an operational weapon system; identify how existing security services enhancements may be required to meet operational needs at milestones.
G. Time-Event Phased Classification Guide
H. Implementation & Validation Procedures
I. Technology Assessment and Control Plans (as required)
J. Protection Costs
K. Plan of Action to develop the structures and processes, and to implement these, as well as that required to addressed in block 7, e.g. information systems security, defensive information warfare, physical security, personnel security, operations security, international security, technology transfer, foreign disclosure, and special access programs administration needs once approved.

Blocks 8 and 12: Submit a draft of the PPMP 120 DAC. The Government review and comments will be provided within 45 days after receipt. Submit the final NMD PPMP 30 days after receipt of Government Comments.

(End of G006)

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G007**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **System Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **Update at SCDR - 30 CD ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **Update at C1U2 PDR - 15 CD ASREQ**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final System/Subsystem Specification within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G008**
2. TITLE OF DATA ITEM: **Test and Evaluation Program Plan (TEPP)**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-81284/T**
5. CONTRACT REFERENCE: **SOW para. 3.7.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Draft SFR -75CD**
13. DATE OF SUBSEQUENT SUBMISSION: **Final at SFR and ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

3. DESCRIPTION/PURPOSE

3.1 Change to read as follows: “The Plan ITEP outlines the plans and performance objectives at every level of testing on systems and subsystems. It provides the procuring activity with the test concept, objectives and requirements to be satisfied, test methods, elements, responsible activities associated with the testing, measures required, test data processing requirements, and recording analysis and evaluation procedures to be used.”

7.2 Change to read as follows: “This DID is applicable to system and subsystem tests that include laboratory tests, simulations, ground tests, flight tests, integration tests, human factor tests, operational tests and acceptance tests.”

10.1 Format. Change “The tTest and Evaluation Program pPlan (TEPP) shall be in the contractor’s format and shall conform to the following:” to read “The Integrated Test and Evaluation pPlan (ITEP) shall be in the contractor’s format”.

10.1.1 Delete

10.1.2 Delete

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: A. L. AUSTIN, BMDO/DCTD

J. DATE: 18 MAR 98

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: 0132 B. EXHIBIT: G
C. CATEGORY: TDP___ TM___ OTHER___ X ___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: HQ0006-98-C-0003 F. CONTRACTOR: BOEING

1. DATA ITEM NO.: G008
2. TITLE OF DATA ITEM: Test Plan
3. SUBTITLE: NMD Integrated Test and Evaluation Plan (ITEP)

Block 4: (Cont.)

10.2.2 Introduction. Change to read as follows: “The introduction shall describe the plan and its relationship to the elements of the overall program, and an overview of the test program’s objectives, including process flow diagrams, milestones/significant accomplishments, test resources and personnel, and relationship to design development, production and tactical deployment.

10.2.3 Change “The TEPP...” to “The ITEP...”

10.2.4 Change “i.e., Joint Test Group (JTG)”

10.2.5 Tests and examinations. Chnage “The TEPP” to “The ITEP”**10.3.2** Change the first sentence to read as follows: “Consists of an overview of the objectives of the plan, including process flow diagrams, milestones, personnel participation, locations, schedules, and security measures to be observed.”

10.3.310.2.5.1 Change to read as follows: “Process Flow Diagrams. The process flow diagrams will reflect a functional description of the test and evaluation program using a block diagram portrayal of the functions that must be met to satisfy the total test program.”

10.2.5.2 References. Change “The TEPP...” to “The ITEP...”

10.2.5.3 Change to read as follows: “Test and Evaluation Objectives. Describes the objective of each test performed, including the traceability to requirements documents, test requirements, data requirements and evaluation criteria for each test.”

- a. Test requirements
- b. Data requirements
- c. Evaluation
- d. Criteria

10.2.5.4 Test support requirements.

10.2.5.4a Change to read as follows: “Instrumentation. Indicates the data collection method that will be used and the approximate number and types of parameters to be recorded.”

10.2.5.4b Test Logistics,” change to “identify logistics requirements including maintenance and repair for test equipment and facilities, and packaging, handling, storage and transportation (PHS&T) for test articles, support equipment and spares.

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G008**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **NMD Integrated Test and Evaluation Plan (ITEP)**

Block 4:(Cont.)

10.2.5.4c Change “Government facilities” to “Government facilities and locations for each type of test...”Change to read as follows: “Government test facilities. Identify the specific government to be used for each type of test.”

10.2.5.4d Change to read as follows: “Data reduction and analysis. Describes data to be collected and the data reduction and analysis techniques that will be used to interpret the data.” “An overview of the procedures that the contractor will use to analyze, evaluate, and verify the test results will also be provided.

10.2.5.5 Change to read: General Tests: This section shall provide a listing for each type of test, a description, test methodology and general change to procedures.

10.2.5.6 Special tests. Change to read as follows: “Special tests. Provides a list of special test resources necessary to verify satisfactory system or subsystem performance to specifications.”

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

(End of G008)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G009**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ATTS-81273/T**
5. CONTRACT REFERENCE: **SOW para. 7.7.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **AD**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

3.1 Change first sentence to read as follows: “This report documents the results of the evaluation of a system’s test design”.

7.1 Change to read as follows: “This DID contains the format and preparation instructions for system evaluation resulting from a specified test phase or period.”

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: “Format. The Test Evaluation and Assessment Final Report shall be in the contractor’s format.”

10.3 Change to read as follows: “Content Requirements. The content of the Test Evaluation and Assessment Final Report shall be the following:.”

10.3.1 Change to read as follows: “A brief description of the functional operation of the system and of each element.”

10.3.2 Change to read as follows: “A description of the systems operational concept.”

10.3.3.1 Change to read as follows: “Identification of mission requirements and operational constraints.”

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G009**
2. TITLE OF DATA ITEM: **Test Design and Assessment Report**
3. SUBTITLE: **Ground and Flight Test Evaluation and Assessment Final Report**

Block 4: (Cont.)

10.3.3.2 Change to read as follows: “For each item to be included in this analysis, a definition of risks and risk mitigation and identification of areas that require additional testing.”

10.3.3.3 Change to read as follows: “System integration and performance measurements tested.”

10.3.3.4 Change to read as follows: “System engagement performance measurements tested, e.g., acquisition, track, discrimination, interception, etc..”

10.3.3.5 Change to read as follows: “System kill capability and performance assessment.”

10.3.3.6 Change to read as follows: “Human-in-control operations and performance Measurements tested.”

10.3.3.7 Add item to read as follows: “Assessment of verification related to testing, demonstrations, inspections and T&E analysis”.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final test plan within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit Draft Report 75 calendar days prior to End of Common phase (CLIN 0131) for Government approval. Submit Final at End of Common phase (CLIN 0131)

(End of G009)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G010**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Data Accession List/Internal Data**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI- MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.1.0**
6. REQUIRING OFFICE: **BMDO/JNC**
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **30DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **MTHLY**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Provide electronic copies of any unclassified documents listed on the LSI Data Accession List as requested by the JPO. For documentation that is not available in electronic format (e.g., display photographs) or classified data, one hard copy shall be delivered to the JPO as requested.

10. Preparation Instructions. The Contractor shall provide an accession list identifying contractor internal data which have been generated by the Contractor as a result of the work effort called for by this contract.

10.3 Content. Include on the Data Accession List all reports, documents, studies, and other data either generated or used by the contractor in the performance of this contract. For computer software, omit standard commercial products used by the contractor in the performance of this contract. CDRL documents shall not be included in the Data Accession List.

10.3.2 General. The List shall include the identification number of the document, title which shall provide a brief description of the content, date of the document (and date of and any revisions or changes), and an indication of the Government's Right to the data using the following codes:

“UR” = Unlimited Rights

“LR” = Limited Rights

“GPLR” = Government Purpose License Rights

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G011**
2. TITLE OF DATA ITEM: **Engineering Change Proposals (ECP)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80400/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.7**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **O/TIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description contains the requirements for preparation of the Engineering Change Proposal resulting from the work task described by paragraph 5.3 of EIA/IS-649 National Consensus Standard for Configuration Management, dated August 1995.

10.2 Change to read as follows: The Engineering Change Proposal shall be in contractor format using EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G012**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **Weapon System Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **See Block 16**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Block 8: The Weapon System Element Level A Specification will be submitted for approval. Government review and approval (or disapproval) and comment to the Element Specification will be provided within 45 days after receipt. Re-submittal of Weapon System Element Level A Specification will be within 30 days of receipt of Government comment.

Blocks 10, 12 and 13: Submit Weapon System Element Level A Specification as required during this period.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G013**
 2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
 3. SUBTITLE: **NMD Software Development Plan (SDP)**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
 5. CONTRACT REFERENCE: **SOW para. 3.2.3, 3.2.10, 3.3.2, 3.3.3.1, 3.3.3.2, 3.5.3.1**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **ONE/R**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
 16. REMARKS:

Block 4:

Delete the following paragraphs in their entirety:

**4.2.3,
4.2.3.1,
4.2.3.2,
4.2.5 and
5.8**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final NMD Software Development Plan within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: The Software Development Plan (SDP) will be updated, as required, and submitted for Government approval.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G014**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Risk Management Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

The contractor shall prepare, implement and maintain, a LSI Risk Management Plan to include risk management tasks that encompass the effort to establish, implement, and maintain a proactive risk management program that provides for the identification, analysis, assessment and mitigation of risk issues in achieving LSI program cost, schedule, and performance goals

Blocks 12 and 13: The Risk Management Plan will be updated, if required, at System Critical Design Review (SCDR) and C2 Preliminary Design Review (PDR).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G015**
2. TITLE OF DATA ITEM: **System Safety Program Plan**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-SAFT-80100A**
5. CONTRACT REFERENCE: **SOW para. 7.8.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Blocks 12 and 13: The System Safety Program Plan will be updated, if required, at C2 Preliminary Design Review (PDR), with revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G016**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80526B/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

The Data Item Description (DID) DI-MISC-80526B is modified to read as follows

SCOPE/ PREPARATION INSTRUCTIONS

CONTENT- The Parts, Materials and Processes Control Program Plan shall describe the Parts, Materials and Processes control process to include:

- A Organizational structure used to manage PMP related issues and the interfaces with other PMP related functional areas, including designation of a PMP control board.**
- B Process for hardware subcontractor PMP control, including criteria to certify contractors for reduced oversight, and methods to manage subcontractors that are unable to obtain certification.**
- C Requirements for hardware subcontractor PMP control programs to include:**
 - 1) Documented PMP selection processes that maximize standardization consistent with program requirements.**
 - 2) PMP Qualification to meet the reliability and performance requirements for the application in which they are used. Qualification shall include radiation hardness evaluation and destructive physical analysis where applicable.**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G016**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:

Block 4 (Cont.)

- 3) **Part, Material, and Process specifications and change control of these specifications.**
- 4) **Screening and Ongoing Quality Assurance addressing use of the following methods: qualified lines, screening plans, testing of higher level assemblies, and use of statistical quality assurance data.**
- 5) **Processes to ensure the integrity of the parts and materials through those manufacturing processes within the control of the supplier, to include handling, shipping, storage, and part marking.**
- 6) **Use of the Government Industry Data Exchange Program (GIDEP) to obtain part failure reporting data and advance warning of diminishing sources. Other industry data sources (i.e. TacTech) shall also be used to obtain information on diminishing source risks.**
- 7) **Electronic Parts Diminishing Manufacturing Source risk management approach.**
- 8) **Criteria for assessing and verifying the suitability of Commercial-off-the-shelf (COTS) parts for the intended application.**
- 9) **Subtier PMP management and supplier selection criteria.**
- 10) **The use of electronic searchable parts and materials lists and performance metrics using these lists.**
- 11) **A process to respond to failure events and document lessons learned in PMP selection and control.**
- 12) **Corrosion Prevention and Control**
- 13) **Radiation Hardness Assurance of spacecraft or launch systems, addressing total ionizing dose, single event effects, part selection criteria for radiation hardness, and design mitigation techniques.**
- 14) **Contamination Control in design, manufacturing, test, shipment, launch, and operation for all contamination sensitive hardware including space based systems and optics.**

D Use of hardware subcontractor parts database information to establish metrics to track program PMP performance and DMS risks.

(Continued)

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G016**
2. TITLE OF DATA ITEM: **Parts Control Program Plan**
3. SUBTITLE:

Block 4 (Cont.)

FORMAT: Seller's document format is optional. Data should be prepared in electronic format compatible with Microsoft Office (e.g. Word, Excel, PowerPoint, or Access). Data shall be submitted on 3.5" high density diskettes and/or electronically transmitted (FTP) to buyer's protected server.

Government review and approval (or disapproval) and comment will be provided within 45 days after receipt. Submit final PCPP within 30 days after receipt of Government comments.

(End of G016)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G017**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings, Audits & Reviews**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ADMN-81373**
5. CONTRACT REFERENCE: **SOW para. 7.2.1, 7.3.2, 7.7.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Blocks 10, 12 and 13: Presentation Material for customer reviews, audits and meetings will be provided at the meetings.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G018**
2. TITLE OF DATA ITEM: **System/Subsystem Design Description (SSDD)**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81432**
5. CONTRACT REFERENCE: **SOW para. 7.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Blocks 10, 12 and 13: The System/Subsystem Design Description (SSDD) will be updated, if required, at System Critical Design Review (SCDR) and other program events as necessary during this Period of Performance (POP).

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G019**
2. TITLE OF DATA ITEM: **Product Assurance Quality Program Plan**
3. SUBTITLE: **NMD Product Assurance Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-QCIC-81198**
5. CONTRACT REFERENCE: **SOW para. 7.2.1, 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

The NMD System Product Assurance Plan shall incorporate the Product Assurance Plans for all elements of the NMD System

10.3 Change to read as follows: General. The Product Assurance Quality Program Plan shall be complete, accurate, concise, and written with clarity. The plan shall identify how the contractor will satisfy the specific quality tasks within the contract and describe the contractor's understanding of all documentation tasks required for meeting the contractual requirements. The plan shall be consistent with the Quality Program Requirements of MIL-Q-9858A, all amendments, and the Contract Reliability and Maintainability Requirements

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G020**
2. TITLE OF DATA ITEM: **Interface Control Document (ICD)**
3. SUBTITLE: **NMD External Interface Control Documents (ICD's)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.3, 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Add Format - Contractors format is acceptable.

Blocks 8, 12 and 13: The NMD External Interface Control Documents (ICD) will be updated, if required, at System Critical Design Review (SCDR) and C2 Preliminary Design Review (PDR). Government review and approval (or disapproval) and comments will be provided within 45 days after receipt. Submit final Element Interface Control Documents within 30 days after receipt of comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G021**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD Integration Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.1, 7.2.8, 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following:

Contents of Plan

Plan shall include a discussion of the following:

- **System Integration Roadways**
- **System Interfaces**
- **System Integration Tools**
- **Role of the JNTF and ISTC in the integration and test process**
- **Intro-element Integration**
- **Element-to-element Integration**
- **Deployment Integration activities**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G021**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **NMD Integration Plan**

Blocks 8, 10, 12 and 13: The NMD System Integration Plan will be updated, if required, at System Critical Design Review (SCDR) and C2 Preliminary Design Review (PDR). Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final NMD System Integration Plan within 30 days after receipt of comments.

(End of G021)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G022**
2. TITLE OF DATA ITEM: **Request for Deviation**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80640B/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **O/TIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for deviation to product configuration documentation per paragraph 5.3.4 of EIA/IS-649, National Consensus Standard for Configuration Management, dated August 1995.

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: Format and Content. The Request for Deviation shall be prepared in contractor format. The RFD content shall use EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G023**
2. TITLE OF DATA ITEM: **Request for Waiver**
3. SUBTITLE:
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80641B/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.1**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **O/TIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows: This Data Item Description (DID) contains the requirements for variance to product configuration documentation per paragraph 5.3.4 of EIA/IS-649, National Consensus Standard for Configuration Management, dated August 1995.

7.2 Delete this paragraph in its entirety.

10.2 Change to read as follows: Format and Content. The Request for Waiver shall be prepared in contractor format. The RFW content shall use EIA/IS-649 as a guide.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G024**
2. TITLE OF DATA ITEM: **Nuclear Survivability Program Plan**
3. SUBTITLE: **NMD Nuclear Hardness and Survivability Program Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NUOR-80156A/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.6**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update ATP + 90D**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10.2 Delete last sentence

10.3.a Revise to read as follows:

“a. The plan shall describe the specific design features and other approaches to be utilized to achieve nuclear survivability. (Delete second sentence) 7. 3 through 7.7, delete in their entirety.”

10. c. Delete second sentence in its entirety

10.d. Delete second sentence in its entirety

10.e Delete word “respective” in first sentence, delete second sentence in its entirety.

10.g and h delete in their entirety

10.4.a Change to read as follows :

”a. The plan shall delineate analytical efforts that supplement or replace testing, to include computer codes, and the intended applications of analytical techniques. “

10.4.b delete in its entirety

10.4.c Revise as follows:

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G024**
2. TITLE OF DATA ITEM: **Nuclear Survivability Program Plan**
3. SUBTITLE: **NMD Nuclear Hardness and Survivability Program Plan**

Block 4 (Cont.):

“c. The plan shall delineate subsystem and system-level tests to be performed including methods of extrapolation from test environment to the threat environments, the test simulators and rationale for simulator choices and relationships to analytical efforts.”

10.4.d Delete in its entirety

10.4.e Revise as follows:

“e. The plan shall describe survivability philosophy used for selection and rejection of piece parts, materials, and device technologies. There shall be particular emphasis on design philosophy for hardness critical (HCI) and mission critical equipments. The plan shall describe the configuration control approach to control HCI’s and HCP’s.”

10.4.f Delete in its entirety.

10.4.g Revise as follows:

“g. The plan shall delineate the projected requirements, driven by nuclear survivability of the system, for hardened parts, and the impacts of these requirements on the program and system design and operation.”

10.4.h (OK as is).

10.4.i Revise as follows:

“i. The plan shall identify the nuclear survivability trade-offs that shall be performed against other system requirements such as schedule cost, reliability and producibility.”

10.5.a Revise as follows:

“a. Nuclear survivability areas of high risk and uncertainty, including the impact on cost, performance, and weight”.

10.5.b,c and d delete in their entirety.

10.6.a Delete words “logistic support”.

10.6.d and e Delete in their entirety.

10.7 Delete entire paragraph.

10.8 and 9 (ok as is).

Blocks, 10, 12 and 13: The Weapon System Nuclear Hardness and Survivability Program Plan will be updated, if required, at System Critical Design Review (SCDR) and C2 Preliminary Design Review (PDR).

(End of G024)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G025**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.8.4**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **90 Days prior to C1U2 Deployment Readiness Review**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

The Consolidated Facilities Requirements Document (FRD) defines the facility concepts and requirements for deployment and operations of the NMD System. It determines the facility functional requirements for the system and provides traceability to the system requirements. The information is to be used to support facilities planning, design and budgeting/programming.

The FRD includes lists, design requirements and descriptions of all required facilities to support the NDM System and the Elements. It provides the descriptions for each facility required in terms of attributes or specified environments, which effect performance, design and/or cost.

FRDs included:

- **Functional descriptions**
- **General facility descriptions**
- **Current DD Form 1391**

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: NMD LSI
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G025**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Consolidated Facilities Requirement Document (FRD)**

Block 4: (Cont.)**FRDs included: (Cont.d)**

- **Site plans, preliminary line drawings and facility specifications**
- **Utility and transportation requirements**
- **Construction contractor considerations and schedule requirements**
- **Security considerations**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final FRD within 30 days after receipt of Government comments.

(End of G025)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G026**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Deployment Plan (IDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.3.6, 7.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **90 Days prior to C1U1 PRR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

The NMD Integrated Deployment Plan (IDP) will provide a managerial overview of the actions and activities required to plan for and execute deployment of an initial capability in support of the system identified in the Capability 1 (C1), support the Deployment Readiness Review and execute deployment of the NMD System.

The IDP will be the overarching plan to deploy a system capable of performing the defined mission in the operational environment as identified by the user. The plan will accomplish the following:

- Identify system-level deployment concepts, strategies, planning, plan requirements, and activities
- Identify deployment planning and execution roles and responsibilities
- Identify required agreements between various agencies
- Integrate, through the use of the Master Integrated Program Schedule (MIPS), all Project Office deployment planning
- Summarize significant risks to deployment

(Continued)

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G026**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Deployment Plan (IDP)**

Block 4: (Cont.)

- **Define the Deployment Planning Program Integrated Product Team (DP PIPT) and subgroups**
- **Establish a process for referring deployment planning issues to the DP PIPT**
- **Identify deployment planning requirements, implementation constraints, and deployment status across all phases of the NMD Program:**
 - Identify deployment planning and site activation schedule requirements**
 - Facilitate identification of deployment concerns and incorporation of those concerns into the development phase.**
 - Identify required milestones to support production and manufacturing planning.**
 - Address system common services, functions, and items.**
 - Integrate site activation activities into the total deployment effort.**
 - Ensure user needs and requirements are incorporated into deployment planning.**
 - Contain the system-level execution planning for deployment, if directed to do so in the FY00 Deployment Readiness Review.**

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final IDP within 30 days after receipt of Government comments.

(End of G026)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G027**
2. TITLE OF DATA ITEM: **Site Preparation Requirements and Installation Plan**
3. SUBTITLE: **Capstone Site Activation Plan (CSAP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MGMT-80033**
5. CONTRACT REFERENCE: **SOW para. 7.3.6, 7.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **DRR -60 CD**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final CASP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G028**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Integrated Logistics Support Plan (ILSP) - Update**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-80095**
5. CONTRACT REFERENCE: **SOW para. 7.3.6, 7.8.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **30 Days Prior to PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Contractor shall use DI-ILSS-80095 as a guide.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final ILSP-Update within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER__**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G029**
 2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
 3. SUBTITLE: **NMD System Training Plan (STP)**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
 5. CONTRACT REFERENCE: **SOW para. 7.8.3**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **0TIME**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **IDR -90CD**
 13. DATE OF SUBSEQUENT SUBMISSION:
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
 16. REMARKS:

Block 4:

The document shall contain the Contractor's plans for preparing for and conducting training of Government personnel on the NMD System through all phases of the program. It shall include identification of training courses to be conducted, training material to be developed for the courses, training equipment to be provided, and training facility requirements. It shall identify the roles of the Contractor and the Government in all training activities as well as detail schedules.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final STP within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G030**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Safety Assessment Report (SAR) / Hazard Tracking System (HTS)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.7.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Add paragraph 10.4. Document content will address potential hazards associated with physical and personnel safety, environmental pollution or hazardous materials and waste, and personal health, risk assessments and hazards prioritization, and the databases used to identify, track, and minimize the aforementioned hazards associated with each system test(s).

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final SAR/HTS within 30 days after receipt of Government comments.

Blocks 12 and 13: Submit 6 months prior to first test, as required, for Government approval. Submit 6 months prior to subsequent tests as required for Government approval.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G031**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Range Safety Data Package**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.7.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ASREQ**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **6 Months prior to each test as required.**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Add paragraph 10.4. This document will address all potential safety hazards associated with preparing and conducting flight test operations at VAFB and USAKA, and the precautions taken, consistent with operational requirements, to protect mission objectives, prevent injury to local, permanent and transient Contractor/Government personnel, minimize damage to property, and preclude the advent of an international incident.

New paragraph 10.5. Document will include:

- **Terminal and/or launch area hazard analyses associated with incoming re-entry vehicles (e.g., debris from booster stages post-boost vehicles, etc., probably of impact, debris dispersal; ground safety missile buildup, transport, and associated ground handling procedures.**
- **Local launch hazard analyses associated with a missile containing a Flight Termination System (FTS) Contractor Furnished. Consisting of the following:**
 - **Hazard area (debris corridor) clearances, range tracking and missile Inertial Nav System (INS) (or GNC) data to estimate missile deviation footprint.**

(Continued)G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST (Continuation Sheet)

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___ **X** ___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G031**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Range Safety Data Package**

Block 4: (Cont.)

- **Hazard area analyses associated with local launch operations. Hazard operations include:**
 - **Booster/payload/assy, transport and handling at USAKA and Target Vehicle Assembly, transport and handling at VAFB.**
 - **WS/launch cell mech, Elec. Ops. at USAKA**
 - **WS/USAKA integration testing.**
- **Booster/payload mating & C/O:**
 - **Payload (EKV) propellant and gases pressurization.**
 - **Ordnance transport, handling and installation.**
 - **Electrical c/o of ordnance after installation.**
- **Identification of hazardous systems:**
 - **Booster (Net Explosive Weight of TNT, explosives classification).**
 - **P/L (EKV) Propellant and gas pressurized vessels, explosive devices (FTS and separation system), radioactive/toxic chemicals/materials.**
 - **GSE (TBD)**

(End of G031)

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G032**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Technical Reports**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.2, 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

**This CDRL item shall contain formal documentation of technical information.
Contractor format is acceptable.**

Blocks 12 and 13: Specific submittal requirements for these reports will be determined as part of on-going IPT activity.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G033**
2. TITLE OF DATA ITEM: **Contractor's Configuration Management Plan**
3. SUBTITLE: **NMD Configuration Management Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-CMAN-80858A/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.7, 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **ATP +60D**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

7.1 Change to read as follows:

This DID contains the format, content, and preparation instructions for a data item resulting from work tasks described in EIA/IS 649.

10.2 Format and Content. Change to read as follows:

The Contractor's Configuration Management Plan format and content shall be in accordance with EIA/IS 649.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G034**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **System Behavior Analysis Report**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10.2 Change to read as follows: Document shall be in accordance with Contractor format.

Add the following: Contents of report shall:

Identify/Document results of Behavior Verification for BMC3 upgrades/modifications to BMC3 elements

- Compared to Baseline BMC3 Behavior**
- Compared to BMC3 Requirements**

Block 10: Report verification of changes following each upgrade/modification to BMC3 Element of NMD System.

Blocks 12, 13: Within 30 Days following completion of each incremental upgrade to BMC3 Element.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G035**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Information Architecture (IA)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.10**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT DRR**
13. DATE OF SUBSEQUENT SUBMISSION: **N/A**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:**10 Preparation instructions.**

This CDRL documents the status of the Information Architecture at the end of the CLIN and delivers a complete version of the Information Architecture Model.

10.2 Change to read as follows: Report will be prepared in contractor format and submitted as electronic files via zip disk.

10.3 Change to read as follows: This report shall contain three electronic files:

10.3.1 A complete up-to-date version of the Information Architecture Model.

10.3.2 A file containing a detailed description of the functions of the Information Architecture and its interfaces with other elements/systems.

10.3.3 A File containing a complete dictionary of terms and definitions used in the Information Architecture.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**A. CONTRACT LINE ITEM NO: **0132**B. EXHIBIT: **G**C. CATEGORY: TDP___ TM___ OTHER___**X**___D. SYSTEM/ITEM: **NMD LSI**E. CONTRACT/PR. NO: **HQ0006-98-C-0003**F. CONTRACTOR: **BOEING**1. DATA ITEM NO.: **G036**2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**3. SUBTITLE: **NMD System Verification Plan**4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MNTY-81188/T**5. CONTRACT REFERENCE: **SOW para. 7.2.4**

6. REQUIRING OFFICE:

7. DD250 REQ: **LT**8. APP CODE: **N/A**9. DISTRIBUTION STATEMENT REQUIRED: **F**10. FREQUENCY: **OTIME**11. AS OF DATE: **ASREQ**12. DATE OF FIRST SUBMISSION: **ASREQ**13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**

16. REMARKS:

Block 4:**10.1 Delete "Demonstration and Evaluations".****10.2 Content. Delete and insert the following:**

The Verification Plan shall describe, at the system level, how system requirements will be verified through testing, simulation and analysis. It shall include top level schedules, descriptions of test facilities and equipment, and overall planning approach.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G037**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: **Universal Documentation System Inputs**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW para. 7.7.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

This CDRL covers the PI, PRD, and OR Documents as defined in RCC Document 501.97. The necessary updates will be generated using the format instructions contained in RCC Document 501-97 or as established by existing versions of NMD UDS documents.

Content. Content shall be as prescribed in RCC Document 501.97.

Block 16: UDS Inputs shall be submitted IAW as required IAW schedule guidelines in Para. 3.4 of RCC Document 501-97 and as required for KMR and other Test Facilities for Government approval.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final UDSI within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G038**
 2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
 3. SUBTITLE: **Initial Sustainment Plan**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-MISC-80711/T**
 5. CONTRACT REFERENCE: **SOW para.**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **0TIME**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **IDR -45CD**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
 16. REMARKS:

Block 4:

This document shall describe the Contractor's plan for providing initial sustainment of the NMP System at all sites. It shall detail all sustainment support to be provided by the Contractor (and subcontractors) including support services (logistics and maintenance), spares and repair parts, depot support, training, documentation, software support, sustaining engineering and such other support and services as may be required under the terms of the contract. The information to be provided must be sufficient to assure the Government that the NMD System can be maintained at the required levels of readiness with the planned level of support.

Block 8: Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final Initial Sustainment Plan within 30 days after receipt of Government comments.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G039**
2. TITLE OF DATA ITEM: **Test Plan**
3. SUBTITLE: **Weapon System Test Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**
5. CONTRACT REFERENCE: **SOW para. 7.3.5**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **Update 60 Days after ATP**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

10.3.1a Change to read as follows:

“Title of the test program to be conducted.”

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G040**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **Weapon System Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427**
5. CONTRACT REFERENCE: **SOW para. 3.7.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G041**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **BMC3 Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 7.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **RASR**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Add Format - Contractor format is acceptable

Block 8: The BMC3 Element Level A Specification will be submitted for approval. Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final BMC3 Element Level A Specification within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: Submit BMC3 Element Level A Specification as required during this period,

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G042**
2. TITLE OF DATA ITEM: **Software Development Plan**
3. SUBTITLE: **BMC3 Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 7.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **AT C2 PDR**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Preparation Instructions: Plan shall be prepared in Contractor format.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**A. CONTRACT LINE ITEM NO: **0132**B. EXHIBIT: **G**C. CATEGORY: TDP___ TM___ OTHER___**X**___D. SYSTEM/ITEM: **NMD LSI**E. CONTRACT/PR. NO: **HQ0006-98-C-0003**F. CONTRACTOR: **BOEING**1. DATA ITEM NO.: **G043**2. TITLE OF DATA ITEM: **Test Plan**3. SUBTITLE: **BMC3 Test Plan**4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**5. CONTRACT REFERENCE: **SOW para. 7.6.8**

6. REQUIRING OFFICE:

7. DD250 REQ: **LT**8. APP CODE: **N/A**9. DISTRIBUTION STATEMENT REQUIRED: **F**10. FREQUENCY: **ONE/R**11. AS OF DATE: **ASREQ**12. DATE OF FIRST SUBMISSION: **AT C1U2 PDR**13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**

16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G044**
2. TITLE OF DATA ITEM: **Verification, Demonstration and Evaluation Plan**
3. SUBTITLE: **BMC3 Verification Plan**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**
5. CONTRACT REFERENCE: **SOW para. 7.6.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Blocks 12 and 13: Plan shall be submitted at C1U1 PDR.

Plan shall be updated as required following each BMC3 update build.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G045**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **XBR Element Level A Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431**
5. CONTRACT REFERENCE: **SOW para. 7.2.3**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **ASREQ**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Add **Format** - Contractor format is acceptable

Block 8: The XBR Element Level A Specification will be submitted for approval. The Prime Item and Configuration Specification will be submitted for review. Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final XBR Element Level A Specification within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: Submit Draft XBR Element Specification 15 days prior to System Functional Review (SFR) for Government review and comments.

Submit final XBR Element Level A Specification for Government approval 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **19 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G046**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **XBR Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 7.5.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **C2 + 60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**A. CONTRACT LINE ITEM NO: **0132**B. EXHIBIT: **G**C. CATEGORY: TDP___ TM___ OTHER___**X**___D. SYSTEM/ITEM: **NMD LSI**E. CONTRACT/PR. NO: **HQ0006-98-C-0003**F. CONTRACTOR: **BOEING**1. DATA ITEM NO.: **G047**2. TITLE OF DATA ITEM: **Verification, Demonstration, and Evaluation Plan**3. SUBTITLE: **XBR Verification Plan**4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**5. CONTRACT REFERENCE: **SOW para. 7.5.2**

6. REQUIRING OFFICE:

7. DD250 REQ: **LT**8. APP CODE: **N/A**9. DISTRIBUTION STATEMENT REQUIRED: **F**10. FREQUENCY: **OTIME**11. AS OF DATE: **N/A**12. DATE OF FIRST SUBMISSION: **C2 + 60 DAC**13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**

16. REMARKS:

Block 4:**Contractor Format is acceptable.**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**A. CONTRACT LINE ITEM NO: **0132**B. EXHIBIT: **G**C. CATEGORY: TDP___ TM___ OTHER___**X**___D. SYSTEM/ITEM: **NMD LSI**E. CONTRACT/PR. NO: **HQ0006-98-C-0003**F. CONTRACTOR: **BOEING**1. DATA ITEM NO.: **G048**2. TITLE OF DATA ITEM: **Test Plan**3. SUBTITLE: **XBR Test Plan**4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**5. CONTRACT REFERENCE: **SOW para. 7.5.4**

6. REQUIRING OFFICE:

7. DD250 REQ: **LT**8. APP CODE: **N/A**9. DISTRIBUTION STATEMENT REQUIRED: **F**10. FREQUENCY: **OTIME**11. AS OF DATE: **N/A**12. DATE OF FIRST SUBMISSION: **C2 + 60 DAC**13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**

16. REMARKS:

Block 4:**Contractor Format is acceptable.**

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**H. DATE: **18 MAR 98**I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**J. DATE: **18 MAR 98****CONTRACT DATA REQUIREMENTS LIST**

- A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**
1. DATA ITEM NO.: **G049**
 2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
 3. SUBTITLE: **UEWR Element Level A Specification**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431**
 5. CONTRACT REFERENCE: **SOW para. 7.2.3**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **See Block 16**
 11. AS OF DATE: **ASREQ**
 12. DATE OF FIRST SUBMISSION: **See Block 16**
 13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
 16. REMARKS:

Block 4:**Add Format - Contractor format is acceptable**

Block 8: The UEWR Element Level A Specification will be submitted for approval. The Prime Item and Configuration Specification will be submitted for review. Government review and approval (or disapproval) and comments will be provided within 45 days after receipt of each submittal. Submit final Element Specification within 30 days after receipt of Government comments.

Blocks 10, 12 and 13: Submit Draft UEWR Element Specification 15 days prior to System Functional Review (SFR) for Government review and comments.

Submit final UEWR Element Level A Specification for Government approval 15 days prior to System Preliminary Design Review (SPDR). Submit revisions as required.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G050**
2. TITLE OF DATA ITEM: **Software Development Plan (SDP)**
3. SUBTITLE: **UEWR Software Development Plan (SDP)**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81427/T**
5. CONTRACT REFERENCE: **SOW para. 4.4.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **OTIME**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **C2 + 60 DAC**
13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
 I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
 C. CATEGORY: TDP___ TM___ OTHER___**X**___
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G051**
 2. TITLE OF DATA ITEM: **Verification, Demonstration, and Evaluation Plan**
 3. SUBTITLE: **UEWR Verification Plan**
 4. AUTHORITY: (*Data Acquisition Document No.*): **DI-ILSS-81188/T**
 5. CONTRACT REFERENCE: **SOW para. 7.4.2**
 6. REQUIRING OFFICE:
 7. DD250 REQ: **LT**
 8. APP CODE: **N/A**
 9. DISTRIBUTION STATEMENT REQUIRED: **F**
 10. FREQUENCY: **OTIME**
 11. AS OF DATE: **N/A**
 12. DATE OF FIRST SUBMISSION: **C2 + 60 DAC**
 13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**
 14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
 16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER**

H. DATE: **18 MAR 98**

I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD**

J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132**

B. EXHIBIT: **G**

C. CATEGORY: TDP___ TM___ OTHER___**X**___

D. SYSTEM/ITEM: **NMD LSI**

E. CONTRACT/PR. NO: **HQ0006-98-C-0003**

F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G052**

2. TITLE OF DATA ITEM: **Test Plan**

3. SUBTITLE: **UEWR Test Plan**

4. AUTHORITY: (*Data Acquisition Document No.*): **DI-NDTI-80566/T**

5. CONTRACT REFERENCE: **SOW para. 4.7.2, 7.4.5**

6. REQUIRING OFFICE:

7. DD250 REQ: **LT**

8. APP CODE: **N/A**

9. DISTRIBUTION STATEMENT REQUIRED: **F**

10. FREQUENCY: **OTIME**

11. AS OF DATE: **N/A**

12. DATE OF FIRST SUBMISSION: **CD3 + 60 DAC**

13. DATE OF SUBSEQUENT SUBMISSION: **ASREQ**

14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**

16. REMARKS:

Block 4:

Contractor Format is acceptable.

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0132** B. EXHIBIT: **G**
C. CATEGORY: TDP___ TM___ OTHER___**X**___
D. SYSTEM/ITEM: **NMD LSI**
E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **G053**
2. TITLE OF DATA ITEM: **System/Subsystem Specification (SSS)**
3. SUBTITLE: **Weapon System Prime Item Specification**
4. AUTHORITY: (*Data Acquisition Document No.*): **DI-IPSC-81431/T**
5. CONTRACT REFERENCE: **SOW para. 7.3.2**
6. REQUIRING OFFICE:
7. DD250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **See Block 16**
12. DATE OF FIRST SUBMISSION: **ASREQ**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table G-1**
16. REMARKS:

G. PREPARED BY: **LTC CRAIG MAC ALLISTER** H. DATE: **18 MAR 98**
I. APPROVED BY: **A. L. AUSTIN, BMDO/DCTD** J. DATE: **18 MAR 98**

EXHIBIT H

CONTRACT DATA REQUIREMENTS LIST (CDRL)

FOR THE

NATIONAL MISSILE DEFENSE (NMD) LEAD SYSTEM INTEGRATOR (LSI)

NMD LSI Special Studies and Analyses CDRL

19 August 1999 |

Block 14, Distribution*		
<i>CDRL SEQ No.</i>	H001	H002
<i>Short Title</i>	TR	PM
BMDO/JNC	4	4
BMDO/POE		
BMDO/POC		
BMDO/DCTD		
ESC/NDB		
SFAE-AMD-GBE		
SAF/AQSI		
Navy Code 865		
ACO		
TIC	1	
Other	**	**
Block 15, Total	5**	4**
Block 6, Requiring Office	JN/I	JN/I

Table H-1, CDRL Distribution Matrix

* These are the intended recipients of CDRL items. Electronic submission per CDRL instruction paragraph 11c will satisfy BMDO unclassified distribution requirements.

** Any additional CDRL recipients will be identified in Task Instructions.

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0004** B. EXHIBIT: **H**
 C. CATEGORY: TDP___ TM___ OTHER **X**
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **H001**
2. TITLE OF DATA ITEM: **Scientific and Technical Reports**
3. SUBTITLE: *(As Stated in Task Order)*
4. AUTHORITY *(Data Acquisition Document No.):* **DI-MISC-80711/T**
5. CONTRACT REFERENCE: **SOW 3.2.12**
6. REQUIRING OFFICE: **JN/I**
7. DD 250 REQ: **LT**
8. APP CODE: **A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **ONE/R**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **See Block 16**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table H-1**
16. REMARKS:

Block 4:

10 Preparation Instructions.

10.3 Content. Contractor format acceptable. Specific content to be as stated in Task Instructions.

Block 8: Government review and approval (or disapproval) and comments will be provided within 30 days after receipt of each submittal unless otherwise specified in Task Instruction.

Block 12: As specified in Task Instructions.

Block 13: If the Government provides any comments, submit a final report incorporating Government comments within 30 days after receipt of Government comments unless otherwise specified in Task Instructions.

G. PREPARED BY: **HANS PITTNER**
 I. APPROVED BY: **ROY G. HUFFMAN**

H. DATE: **19 AUG 99**
 J. DATE: **19 AUG 99**

CONTRACT DATA REQUIREMENTS LIST

A. CONTRACT LINE ITEM NO: **0004** B. EXHIBIT: **H**
 C. CATEGORY: TDP___ TM___ OTHER **X**
 D. SYSTEM/ITEM: **NMD LSI**
 E. CONTRACT/PR. NO: **HQ0006-98-C-0003** F. CONTRACTOR: **BOEING**

1. DATA ITEM NO.: **H002**
2. TITLE OF DATA ITEM: **Presentation Material**
3. SUBTITLE: **Presentation Material for Meetings and Reviews**
4. AUTHORITY (*Data Acquisition Document No.*): **See Block 16**
5. CONTRACT REFERENCE: **SOW 3.2.12**
6. REQUIRING OFFICE: **JN/I**
7. DD 250 REQ: **LT**
8. APP CODE: **N/A**
9. DISTRIBUTION STATEMENT REQUIRED: **F**
10. FREQUENCY: **See Block 16**
11. AS OF DATE: **N/A**
12. DATE OF FIRST SUBMISSION: **See Block 16**
13. DATE OF SUBSEQUENT SUBMISSION: **N/A**
14. DISTRIBUTION and 15. TOTAL COPIES: **See Table A-1**
16. REMARKS:

Block 4:

Conference Agenda per DI-ADMN-81249A; Conference Minutes per DI-ADMN-81250; Presentation Material per DI-ADMN-81373/T.

DI-ADMN-81373/T:

10.1 Format. Paper copies of vu-graphs and, when specified in Task Instructions, acetate vellums in protective pockets.

10.2 Content. Contractor format acceptable. Specific content to be as stated in Task Instructions.

Blocks 10, 12 and 13: Generally, the Contractor shall present a progress briefing at the half-way point for any Task Instruction with a period of performance of 60 days or more. A final briefing shall be presented at the conclusion of each special study or analyses unless waived by the Contracting Officer's Representative. **Agenda:** Submit agenda 10 days prior to the Reviews. **Presentation Material** will be presented at the reviews. **Minutes:** Minutes (unless waived by the Contracting Officer's Representative or the Contracting Officer) will be submitted within 14 days after review. If corrections are required, submit revised minutes within 14 days of receipt of Government comments. The Government may vary these requirements in Task Instructions.

G. PREPARED BY: **HANS PITTNER**
 I. APPROVED BY: **ROY G. HUFFMAN**

H. DATE: **19 AUG 99**
 J. DATE: **19 AUG 99**

ABBREVIATIONS

A	Approval of data item is required by BMDO	CWBS	Contract Work Breakdown Structure
AD	Approval of draft of data item is required by BMDO	DAC	(Calendar) Days after Contract Award
ADP	Accessible Data Product	DAL/ID	Data Accession List/Internal Data
ASC	Accredited Standards Committee	DID	Data Item Description
ASREQ	As Required	DRR	Deployment Readiness
BIANNUAL	Frequency is every other year		Review
BMDO	Ballistic Missile Defense Organization	DRR	Design Requirements Review
		ECP	Engineering Change Proposal
BV	Boost Vehicle	EDI	Electronic Data Interchange
C/SCSC	Cost/Schedule Control Systems Criteria	EICD	Element Interface Control Document
CCDR	Contractor Cost Data Report	EOBP	End of Basic Period
CD	Calendar Days	EPI&CS	Engineering, Prime Item and Configuration Specification
CD#1	Continued Development #1		
CDRL	Contract Data Requirements List	EVMS	Earned Value Management Systems
CFSR	Contract Funds Status Report	F	Distribution statement is required, and shall be assigned per the CDRL instructions
CIL	Critical Items List		
CLIN	Contract Line Item Number		
COM	Computer Operation Manual	G&FTE&AFR	Ground and Flight Test
COTS	Commercial-off-the-shelf		Evaluation and Assessment
CPM	Computer Programming Manual		Final Report
		GBI	Ground Based Interceptor
CPR	Cost Performance Report	GBR	Ground Based Radar
CSAP	Capstone Site Activation Plan	GIDEP	Government Industry Data Exchange Program

ABBREVIATIONS

GPLR	Government Purpose License Rights	OCD	Operational Concept Description
HSIP	Human-Systems Integration Plan	ONE/R Para.	One time and revisions Paragraph
HTS	Hazard Tracking System	PCO	Procuring Contracting Officer
IBR	Integrated Baseline Review	PCPP	Parts Control Program Plan
ICD	Interface Control Document	PDR	Preliminary Design Review
IDD	Interface Design Description	PMMA&R	Presentation Material for Meetings, Audits & Reviews
IDP	Integrated Deployment Plan		
IDR	Interim Design Review	PMPP	Program Protection Management Plan
ILSP	Integrated Logistics Support Plan	PPSL	Program Parts Selection List
IMP	Integrated Master Plan	PRR	Production Readiness Review
IMS	Integrated Master Schedule	QRTLY	Quarterly
IPT	Integrated Product Team	RD&A	Research Development and Acquisition
IRS	Interface Requirements Specification	RFD	Request for Deviation
ITEP	Integrated Test and Evaluation Plan	RFPR	Readiness For Production Review
JPO	NMD Joint Program Office	RFW	Request for Waiver
JTA	Joint Technical Architecture	RMP	Risk Management Plan
KMR	Kwajalein Missile Range	S/SDD	System/Subsystem Design Description
LCCE	Life Cycle Cost Estimate		
LR	Limited Rights	SAR	Safety Assessment Report
LSI	Lead System Integrator	SARR	Site Activation Readiness Review
LT	Letter of Transmittal		
MTHLY	Monthly	SCDR	System Critical Design Review
N/A	Not applicable		
NMD	National Missile Defense		

ABBREVIATIONS

SCOM	Software Center Operator Manual	SVD	Software Version Description
		SVR	System Verification Review
SDD	Software Design Description	TBD	To Be Determined
SDP	Software Development Plan	TFM	Trusted Facility Manual
SFR	System Functional Review	TIC	Technical Information Center
SFUG	Security Features User's Guide	TINS	Team Integration Network System
SIOM	Software Input/Output Manual	TOR	Terms of Reference
SIP	Software Installation Plan	UR	Unlimited Rights
SOO	Statement of Objectives	WBS	Work Breakdown Structure
SOW	Statement of Work	WS	Weapon System
SPDR	System Preliminary Design Review	WSI/IMP	Weapon System Interface/Integration Master Plan
SS	System Specification		
SSPM	System Safety Program Plan	WSNH&SPP	Weapon System Nuclear Hardness and Survivability Program Plan
SSS	System/Subsystem Specification		
STP	System Training Plan		
SVA	Security Vulnerability Analysis		

Attachment 1

National Missile Defense (NMD) Lead System Integrator (LSI) Statement of Work (SOW)

REDACTED IN ITS ENTIRETY

November 28, 2000

**National Missile Defense
(NMD)
Lead System Integrator
(LSI)**

Attachment 2

**Integrated Master Plan
(IMP)**

REDACTED IN ITS ENTIRETY 10/12/99

**National Missile Defense
(NMD)
Lead System Integrator
(LSI)**

Attachment 3

**Contract Work Breakdown Structure
(CWBS)**

REDACTED IN ITS ENTIRETY

10/12/99 |

Attachment 4 (DD Form 254) has been removed IAW 5 USC 552(b)(2).
15 Pages.

Attachment 5 (Small Business Subcontracting Plan)
has been removed IAW 5 USC 552(b)(4). 95 Pages.

Attachment 6

Rights in Technical Data-Noncommercial Items (DFARS 252.227-7013)

Revised: March 30, 2000

REDACTED IN ITS ENTIRETY

Attachment 7

List of Less Than Unlimited Rights Computer Software and Computer Documentation

**(Rights in Noncommercial Computer Software
and Noncommercial Computer Documentation,
DFARS 252.227-7014)**

Revised: March 30, 2000

REDACTED IN ITS ENTIRETY

**National Missile Defense
(NMD)
Lead System Integrator (LSI)**

Attachment 8

**Government Furnished Property
Government Furnished Equipment
(GFP/GFE)**

3/30/00

REDACTED IN ITS ENTIRETY

**BOEING NMD LSI
DEPLOYMENT AND SUSTAINMENT
(D&S)**

VOLUME VII

ATTACHMENT 9

**BASE SUPPORT
REQUIREMENTS LIST
(BSRL)**

FOR CANDIDATE DEPLOYMENT SITE (S)

(MARCH 4, 1998)

REDACTED IN ITS ENTIRETY

ORGANIZATIONAL CONFLICT OF INTEREST (OCI)
ANALYSIS/DISCLOSURE FORM

OCI ANALYSIS/DISCLOSURE FORM

1. Contract Number HQ0006-98-C-0003	2. Program Title National Missile Defense Lead System Integrator (NMD LSI)	
3. Contractor Name and Address 	4. Telephone Number and POC 	
5. Type of work to be performed under this solicitation: (a) Providing Systems Engineering and Technical Direction () (b) Preparing Specifications or Work Statements () (c) Providing Technical Evaluation or Advisory and Assistance Services ()		
Other BMDO or BMD-related work requiring analysis and determination:	6. Contract Number and Program Title 	
7. Brief Summary/Description of work performed under Block 6 action: 		
8. Relationship between requirements of Block 1 action and work performed under Block 6 action (If None, State Why): 		
9. Offeror/Contractor OCI Evaluation and Assessment (If either answer is yes, attach a copy of the SOW and complete Block 10): (a) Does Actual OCI exist? () Yes () No (b) Does Potential OCI exist? () Yes () No		
10. Summary of actual/potential OCI, including actions planned to avoid, neutralize, or mitigate conflict or potential conflict: 		
11. Typed Name of Responsible Official 	12. Signature 	13. Date
14. Typed Name of Contracting Officer 	15. Approval Signature 	16. Date

INSTRUCTIONS FOR COMPLETING OCI ANALYSIS/DISCLOSURE FORM

Blocks 3 and 4: Self explanatory.

Block 6: Fill in the number and the short, official title by which the contract or subcontract requiring analysis and determination is formally known. This is work that has already been awarded, is being performed by your company, and requires a comparison with that work described in Blocks 1-5. **NOTE:** One OCI Analysis/Disclosure Form shall be submitted for EACH BMD or BMD-related contract or subcontract currently being performed.

Block 7: Provide a brief, but specific, narrative summary of the SOW and work performed on the contract or subcontract listed in Block 6, including the period of performance and the value.

Block 8: Provide a brief, but specific, narrative summary of ANY relationship between the work to be performed under the action listed in Block 1 and the previous work performed under the action listed in Block 6. Please be as specific as possible by citing the specific RFP/SOW paragraph where possible.

Block 9: Place an "X" in the appropriate () for your responses.

Block 10: If you answer yes either to 9(a) or to 9(b), provide a summary of the actual or potential OCI.

Blocks 11, 12, and 13: Provide the name of your company official with responsibility for and/or authority to discuss and commit the company on matters relating to OCI issues. That official should then sign and date each form.

AWARD FEE DETERMINATION PLAN

NATIONAL MISSILE DEFENSE

LEAD SYSTEMS INTEGRATOR

10/27/99

PREPARED BY

BALLISTIC MISSILE DEFENSE ORGANIZATION

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1.0 INTRODUCTION

1.1 Purpose

This Award Fee Determination Plan (AFDP) serves as the charter and guide which will be used to evaluate the Contractor's performance and to determine the award fee earned for each evaluation period of this National Missile Defense (NMD) Lead System Integrator (LSI) contract. The NMD Joint Program Office (JPO) requires top level performance to meet program requirements in the development of a NMD Prototype and during options for subsequent continued development and deployment. Hence, the award fee is designed to provide an incentive to the Contractor for outstanding quality performance in the development and integration of the NMD system inclusive of the four key performance areas of technical performance, schedule, cost, and program management.

Through this AFDP, the Government seeks to provide additional incentives for the Contractor and key Contractor groups to perform at a level the Government considers better than satisfactory. No award fee shall be paid for unsatisfactory performance. Award fee will be paid upon the Government's determination of the earned percentage of the award fee pool.

1.2 Objective

This AFDP provides the guidelines and procedures for:

- Evaluating the Contractor's performance
- Determining the award fee earned by the Contractor

2.0 ROLES AND RESPONSIBILITIES

2.1 Fee Determining Official (FDO)

The National Missile Defense Program Manager is the Fee Determining Official and has the following responsibilities:

- Determine the Contractor's performance rating and award fee amount
- Advises the Contractor and the PCO of award fee decisions
- Documents the basis for the decisions
- Appoints the AFRB Chairman and approves the AFRB membership
- Implement optional Mid-Term Evaluations
- Issue an Expectation Letter

2.2 Award Fee Review Board (AFRB)

The Award Fee Review Board is comprised of a Chairman, Executive Secretary, Members and Advisors who have the following roles and responsibilities.

2.2.1 Chairman

The FDO will appoint an AFRB Chairman to assist in evaluating the Contractor's performance. The AFRB Chairman is responsible for:

- Appointing the AFRB Executive Secretary, Members and Advisors
- Conducting the AFRB
- Providing the FDO a recommended Contractor performance rating and award fee amount

2.2.2 Executive Secretary

The Executive Secretary is responsible for:

- Scheduling the AFRB meetings and serves as a recorder at these meetings
- Preparing and forwarding evaluation workbooks to the AFRB Members
- Distilling evaluations from the AFRB

2.2.3 Members

The Chairman will appoint the AFRB membership from directorates within JN, individuals who direct contractor efforts and, if deemed appropriate, the Military Service organizations familiar with the work that is performed by the Contractor, to ensure a fair and accurate assessment of the Contractor's performance for the period being evaluated. The duties of the AFRB members include:

- Implementing the AFDP
- Obtaining Contractor data and briefings as required
- Evaluating contractor's performance considering all information from pertinent sources
- Preparing interim performance reports
- Recommending and voting on Contractor performance rating and award fee amount
- Recommending items for the Expectation Letter
- Recommending changes to the AFRB

2.2.4 Advisors

2.2.4.1 Procuring Contracting Officer (PCO)

The Procuring Contracting Officer is a permanent advisor to the AFRB and responsible for the following:

- Issuing contract modifications obligating the award fee authorized by the FDO
- Issuing changes to Award Fee Determination Plan
- Maintaining award fee documentation as part of the official contract file
- Retaining award fee historical files and other documentation

2.2.4.2 General Advisors

The Chairman may invite individuals to attend the AFRB due to their familiarity and insight into the Contractor's performance. These are non-voting individuals who only advise the AFRB.

3.0 EVALUATION AREAS AND CRITERIA

The Government will evaluate the Contractor's performance in achieving contract requirements for the award fee periods using the following evaluation areas and criteria.

3.1 Evaluation Areas

The Contractor will be subjectively assessed in the following four critical performance areas:

- Technical Performance
- Schedule Performance
- Cost Performance
- Program Management Performance

Specific weighting will be announced in the Expectations Letter prior to each award fee period.

3.2 Evaluation Criteria

The contractors performance in each area will be evaluated on the basis of the following criteria in the respective performance area.

3.2.1 Technical Performance Criteria

The contractor's technical performance will be evaluated in terms of meeting the technical requirements of the contract. The basis for this evaluation is:

- Completion of the Government-selected Significant Accomplishments (SAs)
- Program Impacts
- Technical Data and Reporting

3.2.1.1 Completion of the Significant Accomplishments (SAs)

The Contractor will be evaluated on each of the Integrated Master Plan (IMP) Significant Accomplishments listed in Table 11-1 during the respective period for:

- Accomplishments on NMD Program Schedule
- Accomplishments impacts on NMD Program Risk
- Accomplishments impacts on NMD Program Cost
- Risk Management

- Requires minimal Government Oversight
- Other

Table 11-1, CLIN 0001 SIGNIFICANT ACCOMPLISHMENTS FOR AWARD FEE EVALUATION

Period/ Dates	Period ID	Selected Significant Accomplishments	IMP Reference
No. 1 4/30/98-10/31/98	1.a	C1-XBR Element Requirements Review (ERR) Completed	XB A01 01
	1.b	C1-UEWR Element Requirements Review (ERR) Completed	UE A01 01
	1.c	System Functional Review (SFR) Conducted	SE A01 17
	1.d	BMC3 CI-3A Build Requirements Reviewed	BC A01 01
No. 2 11/1/98 - 4/30/99	2	Weapon Preliminary Design Review (PDR) Completed	WS A02 01
	2.a	KV Down Select Completed	WS A02 06
	2.b	Initial C1 NMD System Information Architecture Developed	SE A02 04
	2.c	System FS&E Program Baselined	DS A02 01
	2.d	C1-XBR Element PDR Completed	XB A02 01
	2.e	C1-UEWR Element PDR Completed	UE A02 01
	2.f	IFTs (3 & 4) and IGTs (3 & 4) Test Plans & Reqmts Developed	TE A02 01
	2g	Simulations Updated	SE A02 08
	2.h	Reserved	SE A02 18
	2.i	BMC3 CI-3A Release Review Conducted	BC A03 08
	2.j	Draft Capstone Site Activation Plan (CSAP) Completed	DS A02 07
	2.k	IGT-3 Successfully Conducted	TE A03 01 04 01
	2.l	BMC3-CI-3A Release Review Supported	BC A03 01 03
No. 3 5/1/99 - 10/31/99	3.a	Initial Test Configuration Defined	UE A03 01
	3.b	GBR-P/C1 Readiness to Support IFTs Verified	XB A03 01
	3.c	IFT-3 Integrated Flight Test Readiness Review Completed	WS A03 04
	3.d	BMC3 CI-3A System Integration Activities Conducted	BC A03 08
	3.f	IFT-4 Integrated Flight Test Readiness Review Completed	WS A03 09
	3.g	System Preliminary Design Review (PDR) Conducted	SE A02 18
	3.h	Execute IFT-3	TE A03 02
	3.i	Risk Reduction Flight 6 (RRF6) Completed	TE A03 04 02
	3.j	WSS Test Configured GDIL Equipment Checkout Completed	WS A04 16 08
	3.k	WSS VAFB Equipment Integrated	WS A04 16 10
	3.l	IAT&C Facility Development	WS A04 15 13
	3.n	IGT-4 Executed	TE A03 07
	3.o	NMD Sites Defined for IDT and Fiber Optics Network Connectivity	DS A04 10 03
	3.p	System Verification Plan Updated	SE A04 10 02
No. 4 11/1/99 - 4/30/00	4.a	Execute IFT-4	TE A03 03
	4.b	IGT-5 Executed	TE A03 06
	4.c	IFT-5 Executed (Phase 1)	TE A03 08
	4.d	Integrated Systems Test Supported	XB A03 03
	4.e	WS Element Critical Design Review Completed	WS A04 01
	4.f	BMC3 BI-1 Build	BC A04 03
	4.g	C1 System Performance Assessment Completed for DRR	SE A04 12
	4.h	LIDS Build 4	SE A03 08
	4.i	Baseline Configuration at Beale Updated	UE A04 05

Table 11-1, CLIN 0001 SIGNIFICANT ACCOMPLISHMENTS FOR AWARD FEE EVALUATION (cont)

Period/ Dates	Period ID	Selected Significant Accomplishments	IMP Reference
No. 5 5/1/00 - 10/31/00	5.a	BV-1 Boost Vehicle Flight TRR Completed	WS A04 17
	5.b	Initial Production Readiness Review Conducted	DS A04 06
	5.c	C1 System Verification Assessment Conducted	SE A04 10
	5.d	XBR Element Interim Design Review (IDR) Completed	XB A04 02
	5.e	UEWR Element Interim Design Review (IDR) Completed	UE A04 03
	5.f	BMC3 BI-1 System Integration Activities Completed	BC A04 10
	5.g	IST and Ground Test Report Completed	TE A04 02
	5.h	BV-3 Boost Vehicle Flight TRR Completed	WS A05 11
	5.i	Pre-Deployment Site Activation Activities Completed	DS A04 05
	5.j	Deployment Readiness Review (DRR) Conducted	SE A04 03
No. 6 11/1/00 - 4/30/01	6.a	BMC3 BI-2 Build Developed	BC A06 02
	6.b	IFT-7 and IGT-6 Tests Reviewed and Performed	TE A05 04
	6.c	IFT-8 Integrated Flight TRR Completed	WS A05 15
	6.d	D&S Initial Requirements Verification Completed	DS A05 02
	6.e	IFT-8 and IGT-8 Tests Reviewed and Performed	TE A06 04
	6.f	C1 XBR Critical Design Review (CDR) Completed	XB A06 01
	6.g	UEWR Review of Deployment Options Completed	UE A05 01
	6.h	C2 System Requirements Review (SRR) Conducted	SE A06 09
No. 7 5/1/01-9/30/01	7.a	IFT-8 Executed	TE 06 08 05
	7.b	WSS Test Data Analysis Completed	WS A06 07 03
	7.c	IFT-8 Post Test Analysis Completed	BM A06 10 05

The Contractor initially proposed the specific subset of SAs used to determine the performance award for each period in the RFP response. Future revisions to the list of SAs should be submitted prior to the start of the applicable award fee period. The Government may choose to ignore uncompleted SAs in the best interests of the program. For a scheduled significant accomplishment to be considered complete for award fee in the Performance area, the Government must agree that the accomplishment is closed or that plans are in place for imminent closure. The impact of uncompleted significant accomplishments may also be included in the assessment. If uncompleted significant accomplishments are rendered unimportant by program events, the Government may, at its discretion, delete them.

3.2.1.2 Program Impacts

The Contractor will be evaluated for the following areas which impact the program either positively or negatively:

- Working relationship with the government
- Working relationship with subcontractors
- Level of interaction with NMD JPO representatives on contract status, tasks reflected in IMP and IMS, technical issues, NMD JPO issues, Significant Accomplishments, and program objectives
- Understanding of Government taskings
- Effectiveness of internal communications

- Effectiveness of inter-organization coordination and planning
- Ability to assign personnel appropriately with duties, responsibilities, and authority necessary to achieve project goals
- Ability to identify risk areas and propose risk mitigation actions in advance of required actions
- Ability to take initiative and responsibility in communicating and resolving issues with the NMD JPO, subcontractors, and other government agencies
- Other

3.2.1.3 Technical Data and Reporting

For the following areas, the Contractor will be evaluated on their ability to provide quality, timeliness and responsiveness of the totality of technical data and reporting and not just to the on-schedule submittal of CDRL items.

- Quality of technical data and reports distributed to appropriate authorized parties within the NMD program
- Preparation and documentation of key program events
- Proactive reporting practices
- Other

3.2.2 Schedule Performance Criteria

The Contractor's schedule performance will be evaluated per:

- Compliance with milestones
- Timeliness of deliverables

3.2.2.1 Compliance with milestones

The Contractor's ability to comply with milestones will be evaluated per:

- Ability to identify and correct schedule problems
- Ability to meet milestones
- Ability to integrate elements and NMD system schedule
- Other

3.2.2.2 Timeliness of Deliverables

The contractor will be evaluated on the following areas:

- Timeliness of deliverables
- Other

3.2.3 Cost Performance Criteria

The contractor's performance will be evaluated in terms of its effectiveness in cost management, to include the following:

- Demonstrates implementation of cost control methods through briefings, program reviews and reporting
- Demonstrates effective cost control processes
- Demonstrates the application of CAIV
- Demonstrates adherence to Life Cycle Cost objectives in program decision making
- Other

3.2.4 Program Management Performance Criteria

The contractor's performance will be evaluated in terms of its effectiveness in managing the LSI program and its overall responsiveness to the dynamic requirements of the NMD JPO, to include the following:

- Team management
- Contract Management and Reporting

3.2.4.1 Team Management

The contractor's team management performance will be evaluated per:

- Contracts (letter and firm) issued to all subcontractors
- Timely resolution of open issues
- IPT/AIT efficiency and productivity
- Contractor efforts to cooperate effectively with the customer
- Customer interface competency
- Other

3.2.4.2 Contract Management and Reporting

The Contractor's contract management and reporting performance will be evaluated per:

- Management of contract activities
- Report Quality
- Timeliness of tasks completion
- Ability to complete tasks within budget
- Ability to plan for task problem areas
- Ability to meet Small Business/Minority Business Plan Requirements
- Other

4.0 EVALUATION RATING AND SCORE

4.1 Definition

The rating of the contractor's performance per aforementioned criteria will be per the following rating definitions:

- Unsatisfactory: The contractor's overall performance (product/service) fails to meet or slightly exceed minimum acceptable standards. Communications are marginal. Areas for improvement exist and have adversely impacted part of the program and affected the contractor's ability to perform.
- Satisfactory: The contractor's performance (product/service) is satisfactory and generally responsive to the contract requirements. Products/Services are good but warrant improvement. Open communications have only allowed a few "surprises" to occur. Areas for improvement exist which have identifiable, but not substantial, effects on overall performance.
- Good: The contractor's performance is effective. The contractor's product/service is responsive to contract requirements. Communications are generally open and effective. Areas for improvement exist but have little identifiable impact on overall performance.
- Very Good: The contractor's performance is very effective and is responsive to contract requirements. Communications are generally open, timely and effective. Products and services are very good. Few areas of improvement exist which have minor identifiable impact on overall performance.
- Excellent: Performance is outstanding in essentially all respects. Few, if any, minor areas can be cited for improvement and have little or no impact to overall program or contractor's performance. Communications are open, comprehensive, timely and effective. The contractor proactively identifies potential problems and implements corrective action in sufficient time to avoid program impacts.

4.2 Rating Point Score

The rating point score for the individual definitions as well as the overall rating corresponds to the following chart.

<u>Rating</u>	<u>Point Score</u>
Excellent	91 -- 100
Very Good	81 -- 90
Good	71 -- 80
Satisfactory	51 -- 70
Unsatisfactory	0 -- 50

4.3 Evaluation Score

The AFRB will use the point score ratings and their definitions to arrive at a recommended performance area score and an overall recommended score. To obtain a score for a particular performance area, the AFRB will simply average the total score for each sub-criterion. The overall recommended performance rating is a weighted average of each performance area rating. Specific weighting will be detailed in the Expectation Letter. The recommended ratings and point score directly equate to the score/percentage of award. For example, an overall rating of 79 percent would result in a recommended percentage of 79 percent award fee earned for that period.

The FDO has the sole authority to determine the contractor's performance rating and award fee amount based on factors the FDO sees fit to use. The FDO may accept, reject or modify the AFRB recommendations based on the FDO's assessment of all factors seen by the FDO from a total program perspective.

5.0 EVALUATION PROCESS

5.1 General

The Award Fee Determination Process is governed by the provisions of Special Contract Requirement H-23.

5.2 Procedures

The following procedures serve as a guide during an award fee period. The time convention is defined as “Ts” = Start of period; “T½” = Period mid-point; “Te” = End of period. Therefore, Ts-5 means 5 days before start of period.

Step	Time	OPR	Event
1.	Ts-30	Members	Provide the Chairman with Expectation Letter recommendation.
2.	Ts-10	FDO	Issues an Expectation Letter
3.	Ts		Start of Award Fee Period
4.	T½	Chairman	Per the FDO requests, the Chairman convenes a Mid-Term AFRB which evaluates performance on a non-scoring basis. The intent is to provide the Contractor mid-course feed-back. The Chairman may ask the LSI to brief a self-assessment.
5.	Te-45	Exec Sectry	Schedules Award Fee Review Board to convene 15 working days prior to period end or 10 days after receipt of Cost Performance Report, whichever is later.
6.	Te-15	Chairman	Award Fee Review Board convenes.
7.	Te-15	Members	Evaluate the Contractor’s performance in the appropriate areas using the criteria set forth in this AFDP. Individual members will present their findings and determinations to the whole AFRB. The AFRB will review all evaluation material along with supporting documentation.
8.	Te-10	Chairman	Presents AFRB recommendations to the FDO.
9.	Te-5	FDO	Determines the Contractor’s performance and award fee to be earned. FDO will notify the PCO and Contractor.
10.		PCO	Issues a contract modification obligating award fee within 5 days of FDO’s notification.
11.	Te		End of Award Fee Period
12.	Te+10	Chairman	Issues an optional summary narrative report highlighting the Contractor’s strengths and weaknesses. The report will be based on the Government’s analysis of Contractor performance for that evaluation period. The report will be prepared by the AFRB, approved by the FDO, and forwarded, if appropriate, to the contractor by the PCO in conjunction with the contract modification authorizing payment of the award fee.

**National Missile Defense
(NMD)
Lead System Integrator
(LSI)**

Attachment 12

Government Test Facilities

10/13/99

REDACTED IN ITS ENTIRETY

19 August 1999

ATTACHMENT 13

TASK INSTRUCTION PROCEDURES

Applicability. These procedures apply to Task Instructions (CLINs 0003 and 0004) issued per Special Contract Requirement H-38.

Contents. Task Instructions issued under this contract shall be in writing and shall conform to Special Contract Requirement (SCR) H-38.

Format. The attached form or Contracting Officer letter will normally be used for Task Instructions. Contractor format will be acceptable for the results of the Task Instruction effort and CDRLs.

Procedures

When the Government has a Task Instruction requirement, the Contracting Officer will issue a Draft Task Instruction on the attached form to the Contractor with a request to the Contractor to submit a plan for accomplishing the task. The Draft Task Instruction will include, but not be limited to, the description of the task to be performed, the period of performance, and a description of the deliverables. Issuance of a Draft Task Instruction does not authorize performance of the task.

The Contractor shall submit a Task Plan within seven (7) calendar days after receipt of the Draft Task Instruction. The Task Plan will include: a brief description of the method and approach to accomplish the task and the information identified above, with supporting rationale.

Upon receipt of the Task Plan, the Contracting Officer will provide either an executed Task Instruction, or advise the Contractor of changes required to the Task Plan or proposed pricing. Once the Contracting Officer and the Contractor have agreed on the contents of the Task Plan and proposed number of DPLH, the Contracting Officer will sign and provide the effective date authorizing the start of the effort and issue the Task Instruction to the Contractor. The Task instruction will include the items listed above in the Content Section.

* Note: Task Instructions under CLIN 0003 are issued as completion tasks. Including estimated labor hours in completion task instructions is for the purpose of tracking the quantity of effort ordered. Any variance between estimated and actual costs on completion task instructions will not alter the available award fee for that task.

** Determination of amounts to be inserted shall be guided by pricing set forth in the Contract's Section B negotiated CLIN 0003 price.

**BALLISTIC MISSILE DEFENSE ORGANIZATION
OFFICE OF THE SECRETARY OF DEFENSE**

TASK INSTRUCTION

1. CONTRACTOR NAME AND ADDRESS BOEING NORTH AMERICAN, Inc., A Wholly Owned Subsidiary of The Boeing Company NMD Lead System Integrator 3370 Miraloma Avenue MC:GB-66 P O Box 3105 Anaheim CA 92803-3106	2. CONTRACT NO. HQ0006-98-C-0003 3. CLIN CLIN 0003 4. TASK ORDER NO. 99-XX 5. SOW PARAGRAPH NO. 3.2.12									
6. CONTRACTING OFFICER'S REPRESENTATIVE <table style="width:100%;"> <tr> <td style="width:60%;"> NAME Keith L. Englander CODE BMDO/JN/I TELEPHONE (703) 604-1994 </td> <td style="width:40%; border-top: 1px solid black; border-bottom: 1px solid black;"> SIGNATURE DATE </td> </tr> </table>		NAME Keith L. Englander CODE BMDO/JN/I TELEPHONE (703) 604-1994	SIGNATURE DATE							
NAME Keith L. Englander CODE BMDO/JN/I TELEPHONE (703) 604-1994	SIGNATURE DATE									
7. DESCRIPTION OF TASK TO BE PERFORMED 7a. SEE ATTACHED TASK PLAN AGREED TO ON _____										
8. EFFORT FOR THIS TASK DPLH: XXX Hours EST COST: \$ _____ MAX AVAIL AWD FEE \$ _____ COST PLUS AWARD FEE (15%): \$ _____ PERIOD OF PERFORMANCE: _____										
9. DELIVERABLES AND GOVERNMENT FURNISHED RESOURCES CDRLs REQUIRED: (Check all that apply) _____ H001 TM _____ H002 PM DUE DATES FOR CDRLs: _____ GOVERNMENT RESOURCES (If any): _____										
10. THIS TASK INSTRUCTION IS ISSUED PURSUANT TO SCR H-38, "TASK INSTRUCTIONS." <table style="width:100%;"> <tr> <td style="width:33%; border-top: 1px solid black; border-bottom: 1px solid black;">Boeing NMD LSI Contracts</td> <td style="width:33%; border-top: 1px solid black; border-bottom: 1px solid black;">Date</td> <td style="width:33%; border-top: 1px solid black; border-bottom: 1px solid black;">Signature</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">A. L. AUSTIN</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">Date</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">Signature</td> </tr> <tr> <td>Contracting Officer (typed)</td> <td>Date</td> <td>Signature</td> </tr> </table>		Boeing NMD LSI Contracts	Date	Signature	A. L. AUSTIN	Date	Signature	Contracting Officer (typed)	Date	Signature
Boeing NMD LSI Contracts	Date	Signature								
A. L. AUSTIN	Date	Signature								
Contracting Officer (typed)	Date	Signature								

**BALLISTIC MISSILE DEFENSE ORGANIZATION
OFFICE OF THE SECRETARY OF DEFENSE****TASK INSTRUCTION
CONTINUATION PAGE**

1. CONTRACTOR NAME AND ADDRESS BOEING NORTH AMERICAN, Inc., A Wholly Owned Subsidiary of The Boeing Company NMD Lead System Integrator 3370 Miraloma Avenue MC:GB-66 P O Box 3105 Anaheim CA 92803-3106	2. CONTRACT NO. HQ0006-98-C-0003 3. CLIN 0003 4. TASK ORDER NO. 99-XX 5. SOW PARAGRAPH NO. 3.2.12
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